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FORTY-EIGHTH
ANNUAL REPORT OF THE
BUREAU OF
AMERICAN ETHNOLOGY

TO THE SECRETARY OF THE
SMITHSONIAN INSTITUTION

1930-1931



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LETTER OF TRANSMITTAL

SMITHSONIAN INSTITUTION,
BUREAU OF AMERICAN ETHNOLOGY,
Washington, D. C., July 15, 1931.

SIR: I have the honor to submit herewith the Forty-eighth Annual Report of the Bureau of American Ethnology for the fiscal year ended June 30, 1931.

With appreciation of your aid in the work under my charge, I am

Very respectfully yours,

M. W. STIRLING,
Chief.

Dr. C. G. ABBOT,
Secretary of the Smithsonian Institution.

CONTENTS

REPORT OF THE CHIEF

	Page
Systematic researches.....	3
Special researches.....	15
Editorial work and publications.....	17
Distribution of publications.....	18
Illustrations.....	19
Library.....	19
Collections.....	20
Property.....	21
Miscellaneous.....	21

ACCOMPANYING PAPER

General Index, Annual Reports of the Bureau of American Ethnology, vols. 1-48, compiled by Biren Bonnerjea	25
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REPORT OF THE CHIEF

FORTY-EIGHTH ANNUAL REPORT
OF THE
BUREAU OF AMERICAN ETHNOLOGY

M. W. STIRLING, CHIEF

The operations of the Bureau of American Ethnology during the fiscal year ended June 30, 1931, were conducted in accordance with the act of Congress approved April 19, 1930, making appropriations for sundry civil expenses of the Government, which act contains the following item:

American ethnology: For continuing ethnological researches among the American Indians and the natives of Hawaii, the excavation and preservation of archeologic remains under the direction of the Smithsonian Institution, including necessary employees, the preparation of manuscripts, drawings, and illustrations, the purchase of books and periodicals, and traveling expenses, \$70,280.

SYSTEMATIC RESEARCHES

M. W. Stirling, chief, left Washington during the latter part of January to continue his archeological researches in Florida. On the way south he took the opportunity to investigate a number of archeological sites in several of the Southern States, notably a group of mounds which had been reported in the vicinity of High Point, N. C., and two mound sites on Pine Island in the Tennessee River in northern Alabama.

A few days were spent in the vicinity of Montgomery, Ala., examining the early historic sites being investigated there by the Alabama Anthropological Society. A large mound had been reported in the vicinity of Flomaton, Ala.; this was visited and found to be a natural formation.

Continuing down the west coast of Florida, Mr. Stirling visited briefly the archeological sites at Crystal River, Safety Harbor, and Alligator Creek. The principal work for the season was commenced on February 5 on Blue Hill

Island south of Key Marco, one of the northernmost of the Ten Thousand Island Group. A large sand burial mound was excavated and found to be of early post-Columbian Calusa origin. Excavation of the mound disclosed a number of interesting structural features quite unusual in Florida sand mounds. Six feet above the base of the mound a clay floor was encountered which gave evidence of having been the base of a temple structure, as it was surrounded by post-holes and in some instances by the decayed remains of the wooden uprights still in place. This structure had evidently been destroyed and the mound subsequently enlarged by adding 6 feet more of sand above the original substructure. Numerous burials were encountered both above and below the clay floor. A few articles of European manufacture were recovered from the upper level of the mound. As none were recovered from beneath the temple floor, it is possible that the older section of the mound is of pre-Columbian age. Cultural material recovered was interesting though not abundant. This included characteristic pottery specimens, pendants and ornaments made from fossil shark teeth, shell dishes, cups, celts, and a few stone knives and arrowheads. Articles of European manufacture consisted of glass beads and iron axes of Spanish type. More than 250 burials were removed.

Following the completion of this work, Mr. Stirling went to the island of Haiti, where, in the company of H. W. Krieger, of the United States National Museum, he investigated archeological sites previously worked by Mr. Krieger in various parts of the island. Returning from Haiti to Florida, work was continued in the eastern part of the State, where a number of mounds were investigated between Miami and Cape Canaveral.

The most interesting discovery of the entire season consisted in locating two series of large geometric earthworks on the eastern side of the Everglades, not far from Indiantown. One of these groups is one of the largest and best preserved works of this type now existing on the North American continent. It is hoped that at an early date the bureau will be able to begin excavations on this most interesting site.

At the completion of this reconnaissance, Mr. Stirling returned to Washington, leaving almost immediately for Chicago in order to attend a meeting of the National Research Council, the purpose of which was to organize research on the subject of early man in America.

Dr. John R. Swanton, ethnologist, was engaged in field work in Louisiana from July 1 to August 14, 1930. It was found that Rosa Pierrette, the sole Indian acquainted with the Ofo language and the one from whom, in 1908, he obtained the only specimens of that language in existence, was dead, and the language therefore is dead also. A search was made for speakers of Atakapa, but all appeared to be gone except one old woman who could barely recall a few words. The Chitimacha Indians of Charenton were visited and a small amount of linguistic material was obtained from them. Of the Tunica at Marksville, only two or three are still able to use the old tongue, but one of these proved to be an ideal informant and Doctor Swanton obtained from him a number of short stories and one long story in native text. The rest of the time was spent at Kinder, where a considerable body of material in Koasati was obtained.

In view of the extinction of Atakapa as a spoken language, Doctor Swanton considered that the words, phrases, and text collected by Dr. A. S. Gatschet in 1886, which comprise by far the greater portion of the material in that tongue still preserved, should be published without delay and the greater part of the winter of 1930-31 was spent in editing it. To Gatschet's material have been added the Eastern Atakapa words collected by Murray and the Akokisa vocabulary obtained by the French captain, Bérenger, and published by Du Terrage and Rivet. A bulletin containing all this is now in the hands of the printer.

Work has progressed on the tribal map of North America which is being copied by Mrs. E. C. M. Payne, and additions have been made to the text to accompany it.

Doctor Swanton is preparing the first draft of a Handbook of the Indians of the Southeast.

The closing weeks of the year were devoted to reading the proof of Bulletin 103, entitled "Source Material for the Social and Ceremonial Life of the Choctaw Indians."

Dr. Truman Michelson, ethnologist, was at work among the Kickapoo of Oklahoma at the beginning of the fiscal year. A really representative body of Kickapoo mythology is now available, and it is quite certain that it is more northern than Fox mythology. The ritualistic origin myths are still *terra incognita*. A good beginning has been made on Kickapoo social organization. In the middle of July Doctor Michelson went among the Foxes of Iowa. The object of the trip was to restore one Fox text phonetically and to obtain some new texts, in the current syllabic script, on Fox ceremonies, in both of which projects he was successful. Doctor Michelson returned to Washington August 4. He completed his memoir on the Fox Wâpanôwiweni and transmitted it for publication February 7. His paper, Contributions to Fox Ethnology, II, Bulletin 95 of the bureau, appeared in the course of the fiscal year.

The remainder of the time was largely taken up studying materials gathered previously and also in extracting from Petter's Cheyenne Dictionary such stems and words as can be rigorously proved to be Algonquian. The material on the physical anthropology of the Cheyenne showed clearly the great variation that occurs among living races. A proper technique was worked out for determining the Cheyenne words of Algonquian origin. Though Petter's alphabet is inadequate, it was possible to partially control this material by comparing it with that of Doctor Michelson. Approximately 700 of such words and stems were extracted. Though the technique mentioned above is very slow, Doctor Michelson is convinced that it is the correct procedure. It was entirely feasible to establish about 70 phonetic shifts which have transformed Cheyenne from normal Algonquian into divergent Algonquian.

Toward the close of May Doctor Michelson left for Oklahoma and renewed his work with the Cheyenne of that State. He restored phonetically the material extracted from Petter, with the result that it is now possible to formulate the transforming phonetic shifts with greater nicety. He also measured a number of Cheyenne. Though the number is not yet large enough to be absolutely decisive

in a statistical sense, there is good reason to believe that the vault of their skulls is low, thus resembling the Dakota Sioux rather than most Algonquian tribes. Some new data on Cheyenne social life and mythology were obtained. It was his privilege to consult with some other anthropologists in Oklahoma and to visit one museum.

John P. Harrington, ethnologist, was engaged during the summer of 1930 in the preparation of his report on the Indians who were brought together at San Juan Bautista Mission in the first half of the nineteenth century by the Spanish-speaking padres from various parts of San Benito County, Calif., and the adjacent region. A valuable vocabulary of the language, recorded by Father Felipe Arroyo de la Cuesta, had already been published by the Smithsonian Institution in the sixties of the last century, but aside from this vocabulary there was little or nothing in print on these Indians. Elaborating a wealth of material obtained from Mrs. Ascención Solórsano, the last San Juan Indian who spoke the language, who died in January, 1930, Mr. Harrington prepared a report on all phases of the life of these Indians, as far as reconstructable. This report tells of the remarkable way in which the language and partial ethnography were rescued from this sole survivor, and then proceeds to the history, geography, and customs of the tribe, including all that could be learned of former religion, ceremony, and mythology.

Mrs. Solórsano was an Indian herb doctor, and a feature of the work during the summer of 1929 had been to obtain specimens and information to cover the ethnobotany of the tribe. Further specimens were obtained in the summer of 1930 by Mrs. Dionisia Mondragón and Miss Marta J. Herrera, daughter and granddaughter of Mrs. Solórsano, and these were all identified by Mr. C. V. Morton, of the National Herbarium. This section gives the treatment for curing some 60 different ailments with these herbs and by other curious means. It forms a nucleus for making comparative studies in Indian medicine.

At the end of January, 1931, Mr. Harrington left for California for the purpose of continuing his studies in this

region, this time specializing on the Esselen and Antoniano Indians in the southern part of Monterey County. Taking the specimens of San Juan Bautista plants with him and arriving in wild-flower season, a thorough collecting of plants was rewarded with a great mass of information which further elucidated much of the San Juan plant material. This collecting was done in several places in southern Monterey County and simultaneously in San Benito County. Seeds used for food were actually made up into the food product to get the primitive process, and the same method was followed in the study of medicines.

Along with the plants the field of ethnozoology was thoroughly covered and practically all the animals known to these Indians were identified. Specimens were obtained, especially of birds, which proved to be the most difficult field for identification in the collecting of animal names, and the skins were identified by the division of birds of the National Museum. Eight different kinds of snakes were known by name and identified.

One of the rarest features of the work was the obtaining of a number of old Indian place names in the Old Esselen country, the western tributary of the Salinas River known as the Arroyo Seco. A study of the place names resulted in the discovery that the Esselen were not a coastal but an inland people, inhabiting the Arroyo Seco and a section of the Salinas River and centered about Soledad Mission. They were one of the smallest tribes in California, and the name properly begins with an h; they were known in the San Juan Bautista from all that section of California. The expedition went from Monterey to the Aguage de Martin and from there climbed the mountain. Some 40 exposures were made of the various rocks connected with the ceremonies and the springs and camps, and several hundred pages of notes were taken down in California Spanish from Don Angel and others dealing with the history of these ceremonies and the life of Mariana and Joaquin Murrieta. On the way back to the coast the Cruz Cervantes ranch was visited, where Murrieta and Mariana were equipped by Don Cruz for starting their war against the Americans.

An examination of place names and village sites and linguistic studies occupied Mr. Harrington up to the end of June. Not only were vocabularies of early recording utilized but the invaluable records contained in the old mission books were, through the courtesy of Bishop McGinley, of Fresno, placed at the disposal of the Smithsonian Institution for copying, and a considerable part of these books has already been copied and revised with the aid of the oldest Indians.

Dr. F. H. H. Roberts, jr., archeologist, devoted the fiscal year to a number of activities. During the months of July, August, and September, excavations at a site on the Zuñi reservation, 16 miles northeast of the Indian village of Zuñi, were brought to a conclusion. The work had been started the latter part of May, 1930. At the end of the season's field work the ruins of two houses, one containing 64 rooms, the other 20 rooms, and a number of ceremonial chambers had been cleared of the débris which had accumulated in them in the centuries which have passed since their abandonment.

Evidence showed that the largest of the houses had not been erected as a complete unit and that it was not occupied in its entirety at any time. The central block, together with a superceremonial chamber placed at its southern side, constituted the original block of the structure. Subsequent additions consisted of an east-and-west wing and a series of chambers south of the original portion and east of the great ceremonial chamber. Masonry in the walls of the latter portions was inferior to that in the original section. The outlines of the rooms in these same portions of the building were so irregular that they appeared to have been built by a different group of people. The walls in the original section were constructed in a style characteristic of the ruins in the Chaco Canyon, 85 miles northeast from the Zuñi region. The stonework in the latter portions of the building was suggestive of the type found in the ruins of the Upper Gila area to the south.

The small house did not give evidence of growth stages as distinct as those observed in the large building; it did show, however, that a fairly small structure had been added to on

various occasions. The walls in this building were of the same nature as those in the later portions of the larger dwelling, except that the stones were more carefully dressed. This suggested that the small house may have been built by the same group which erected the later portions of the large one.

In addition to the two houses and seven small ceremonial chambers two great kivas were found. Only one of these was excavated. In the case of the other it was possible merely to trace the outer walls in order to obtain the size and position of the structure. The finding of these two great kivas was significant because investigations in the Southwest have shown that such structures are always associated with some form of the Chaco culture. The great kiva connected with the larger of the two dwellings revealed one of the essential characteristics of such structures when the débris which filled it was removed. It had an average diameter of 55 feet. The second of these large circular houses was completely detached from the other buildings in the village and had been placed in a court formed by the other structures. It averaged 78 feet in diameter, which makes it the largest yet discovered.

The excavations yielded 400 specimens of the people's handicraft in addition to the information on house types. Included in the collection are pottery vessels, tools or implements of stone and bone, ornaments, and a number of stone images. The pottery is characterized by examples typical of the Chaco Canyon wares and also specimens characteristic of the Upper Gila region to the south. The summer's investigations demonstrate that the village on the Zuñi reservation belongs to the great period of the prehistoric pueblos; that designated as Pueblo III in southwestern chronology. The evidence obtained also indicates that there was a fusion of two groups of people at this location: One, the first to arrive, came from the Chaco area in the north, and the other from the Upper Gila villages in the south. Charred timbers obtained from the ruins enabled Dr. A. E. Douglas, of the University of Arizona, to give the dates 1000 to 1030 A. D. for the life of the community.

Upon the completion of the above work one week was spent in making an archeological survey on the Zuñi reservation and in the region west and northwest from that district. As a result of the reconnaissance, a promising site for further investigations was found. Following this, a trip was made to Cortez, Colo., for the purpose of inspecting ruins being excavated by Lee Dawson near the opening into McElmo Canyon, 4 miles southwest from Cortez. It was found that Mr. Dawson had an unusually interesting group of unit-type houses on his property. Of particular interest were the kivas or ceremonial chambers associated with these structures. In many of them the walls had been ornamented with a series of paintings placed in bands encircling the walls. From Cortez the writer went to Denver and from there returned to Washington the middle of October.

During the winter months, galley, page, and final proofs were read on Bulletin 100, a report on work conducted during the summer of 1929, entitled "The Ruins of Kiatuthlanna, Eastern Arizona." In addition, the specimens brought in from the summer field work were studied. Drawings and photographs were made of them for use in a report on the work. Six hundred pages of manuscript, entitled "The Village of the Great Kivas on the Zuñi Reservation, New Mexico," was prepared. Thirty text figures were drawn to accompany this manuscript.

Doctor Roberts left Washington May 14, 1931, for Denver, Colo., for the purpose of inspecting and studying the specimens obtained by the Smithsonian Institution-University of Denver Cooperative Expedition in the summer of 1930 and also for the purpose of examining collections in the Colorado State Museum. He left Denver on May 25 for Santa Fe, N. Mex. At the latter place two days were spent in studying the collections at the Laboratory of Anthropology and at the Museum of New Mexico. From Santa Fe he proceeded to Gallup, N. Mex., where supplies were obtained for a field camp. From Gallup this material was taken to a site $3\frac{1}{2}$ miles south of Allantown, Ariz., where a camp was established and excavations started on the remains of a large pit-

house village. One refuse mound containing 12 burials with accompanying mortuary offerings and two pit houses had been investigated at the close of the fiscal year.

The pit houses were found to be characteristic of that type and quite comparable to those excavated in the Chaco Canyon in 1927, reported in Bulletin 92 of the Bureau of American Ethnology, and to those excavated in eastern Arizona in the summer of 1929, described in Bulletin 100 of the bureau.

From July 1, 1930, to May 10, 1931, J. N. B. Hewitt, ethnologist, was engaged in routine office work, and from the latter date to the end of the fiscal year he was engaged in field service on the Grant of the Six Nations on the Grand River in Ontario, Canada, and, briefly, on the Tuscarora reservation in western New York State.

Mr. Hewitt devoted much time and study to rearranging and retyping some of his native Iroquoian texts which critical revisions and additional data had made necessary to facilitate interlinear translations and to render such texts as legible as possible for the printer.

The texts so treated are the Cayuga version of the founding of the League of the Iroquois as dictated by the late Chief Abram Charles; the version of the Eulogy of the Founders as dictated by Chief Jacob Hess in Cayuga, and also his versions of the addresses introducing the several chants; also, four of the myths of the Wind and Vegetable Gods which are usually represented by wooden faces and husk faces (which are customarily misnamed masks, although their chief purpose is to represent, not to mask). The Onondaga texts of these myths were in great need of careful revision, for their relator was extremely careless in his use of the persons and the tenses of the verbs, frequently changing from the third to the second person and from past to future time by unconsciously employing the language of the rites peculiar to the faces; and also the decipherment of a set of pictographs or mnemonic figures, designed and employed by the late Chief Abram Charles, of the Grand River Reservation in Canada, to recall to his mind the official names and their order of the 49 federal chiefs of the Council of the League of the Iroquois, in chanting the Eulogy of the Founders of the League; and

also to recall the 15 sections or burdens of the great Requickening Address of the Council of Condolence and Installation; this paper with illustrations is nearly ready for the printer; and also a critical study of the matter of the Onondaga and the Cayuga texts, giving the several variant versions of the events attending the birth and childhood and work of Deganawida. He was born of a virgin mother, which indicated that underlying them there appeared to be an ideal figure, although of course unexpressed. This discovery showed the need for thorough search in the field for a living tradition in which this ideal is fully expressed. Further search was deferred to field work. It was clear that such an ideal enhanced the beauty of the birth story of Deganawida and made more interesting the historicity of such a person. Mr. Hewitt had the great satisfaction of recovering such a tradition in his subsequent field researches. He found that the inferiority complex had precluded his present informants from expressing themselves during the lifetime of other informants, whose recent deaths opened their mouths without the fear of contradiction. The death of Abram Charles within the year made these shy informants vocal.

In January Matthew W. Stirling, chief of the Bureau of American Ethnology, requested Mr. Hewitt to undertake the editing of the Manuscript Journal of Rudolph Friederich Kurz, of Berne, Switzerland, in the manner in which he had prepared the Edwin Thompson Denig Report on the Indian Tribes of the Upper Missouri River, published in the Forty-sixth Annual Report of the Bureau of American Ethnology. The Kurz manuscript was written in German during the years 1846 to 1852. The typed German text consists of 454 pages of large legal-cap size, while the English translation of it by Myrtis Jarrell occupies 780 pages. The journal is a narrative of Mr. Kurz's experiences in a trip up the Mississippi River from New Orleans to St. Louis, thence up the Missouri to Fort Union at the mouth of the Yellowstone River, and of his difficulties with the Indians while endeavoring to make drawings or pictures of them. There are 125 pen sketches of Indians and others accompanying the manuscript.

Mr. Hewitt represents the Bureau of American Ethnology, Smithsonian Institution, on the United States Geographic Board, and is a member of its executive committee. In connection with the forthcoming issue of the sixth report of this board much extra work had to be done by members of the executive committee. Mr. Hewitt prepared a memorandum for a portion of the introduction. Mr. Hewitt also devoted much time and study to the collection and preparation of data for official replies to correspondents of the bureau, some demanding long research. Miss Mae W. Tucker has assisted Mr. Hewitt in the care of the manuscript and phonograph and photograph records of the archives.

On May 10, 1931, Mr. Hewitt left Washington, D. C., on field duty and returned to the bureau July 2, 1931. During this trip he visited the Grand River grant of the Six Nations of Iroquois Indians dwelling near Brantford, Canada, and also the Tuscarora Reservation near Niagara Falls, N. Y.

Winslow M. Walker was appointed to the staff of the Bureau of American Ethnology as associate anthropologist in March, 1931. He resumed his research in Hawaiian archeology, begun during a year's stay in the Hawaiian Islands in 1929, in preparation for a paper on Hawaiian sculpture.

In preparation for work in the field Mr. Walker undertook research in the early narratives of exploration in Louisiana and Arkansas. He left Washington May 29 to investigate some caves in the vicinity of Gilbert, Ark., in the Ozark Mountains, with the hope of being able to throw new light on the Ozark bluff dwellers and other early inhabitants of the caves. Sixteen caves were explored and excavations were made in several of the most promising. A large cave at Cedar Grove yielded several skeletons and a considerable number of stone, flint, and bone artifacts. As the fiscal year closed Mr. Walker was still engaged in excavating this cavern. He intends to make a brief survey of certain mounds and village sites along the Red River Valley in the northern part of Louisiana on the completion of his work in Arkansas.

SPECIAL RESEARCHES

The study of Indian music for the Bureau of American Ethnology has been carried forward during the past year by Miss Frances Densmore. The three phases of this research are (1) the recording of songs and collecting of other material in the field, including the purchase of specimens; (2) the transcription and analysis of songs, with the development of information; and (3) the preparation of material for publication. All these phases have received attention during the year, and the songs of three hitherto unstudied localities have been recorded.

Early in July, 1930, Miss Densmore went to Grand Portage, an isolated Chippewa village on Lake Superior, near the Canadian boundary. This village was visited in 1905, a ceremony was witnessed, and one of its songs written down; therefore a return to Grand Portage was particularly interesting. The purpose of the trip was to witness the Chippewa dances on the Fourth of July, but she remained more than three weeks, continuing her study of native customs. Several songs of the *Wabunowin* were heard and translated, these resembling the songs of the Grand Medicine, which formed a subject of intensive study during 1907-1911. She also witnessed the tipi-shaking of an Indian medicine man and listened to his songs for almost an hour. This performance is very rare at the present time. Although the evening was quiet, the tipi was seen to sway as though buffeted by a tempest, then remain motionless a few seconds and again shake convulsively. This was continuous while Miss Densmore watched the performance and was said to have continued several hours afterwards. Inside the tipi sat the medicine man, believed to be talking with spirits whom he had summoned, the spirits making known their presence by the shaking of the conical structure. The next day the medicine man said that he had summoned the spirits in order to ascertain whether his treatment of a certain sick man would be successful. He said that if the spirits "spoke loud and clear" the man would recover, but if their voices

were faint the man would die. The response was said to have been satisfactory, and accordingly he instituted a "beneficial dance," which was attended by Miss Densmore, and the songs heard for a considerable time. These, like the songs in the tipi, resembled the songs of the Chippewa Grand Medicine Society.

The study of Indian music was continued by a trip to Kilbourn, Wis., during August and September. Two pageants are given simultaneously at the Dalles of the Wisconsin River, near Kilbourn, each employing about 100 Indians. In the pageants the swan and hoop dance, as well as war and social dances of the Winnebago, were seen. The dances of other tribes presented in the pageants included the eagle dance and other pueblo dances. Songs of the swan, hoop, and frog dances were later recorded by leading pageant singers.

At Kilbourn Miss Densmore recorded numerous songs of Pueblo Indians from Isleta and Cochiti, these consisting chiefly of corn-grinding and war songs. The words of these songs are highly poetic and many of the melodies resemble Acoma songs in structure.

As John Bearskin and his family were traveling from Kilbourn to their home in Nebraska they passed through Red Wing, Minn., and songs were recorded at Miss Densmore's home. Bearskin recorded three complete sets of the Winnebago medicine lodge songs and a set of Buffalo feast songs.

In January, 1931, Miss Densmore went to Washington, where she worked on the preparation of material for publication, and proceeded thence to Miami, Fla., where she began a study of Seminole music, recording songs of the corn dance from the man who leads the singing in that ceremony; also the songs that precede a hunting expedition. The customs of the Seminole were studied and a collection of specimens was obtained. This collection includes two complete costumes and is now the property of the United States National Museum.

The second phase of the research is represented by eight manuscripts which include the transcriptions and analyses of 77 songs and two flute melodies recorded by Winnebago,

Isleta, Cochiti, and Seminole Indians. The cumulative analyses of Indian songs has been continued and now comprises 1,553 songs. The 14 tables submitted during this year constitute a comparison between a large series of Nootka and Quileute songs and the songs previously analyzed by the same method.

The third phase of work comprised the preparation for publication of "Menominee Music" and "Acoma Music."

Frank M. Setzler, assistant curator, division of archeology, United States National Museum, was detailed to the bureau for the purpose of conducting an archeological investigation in Texas. After briefly examining several sites at Victoria and Brownsville along the Gulf coast, he excavated four caves and one rock shelter on the Mollie B. Knight ranch, in Presidio County, and visited several other caverns in the vicinity.

From one large cave a total of 70 specimens, including baskets, matting, cradles, sandals, beads, corn, gourd shards, and one skeleton, were recovered. No pottery or evidence of European influence was found. Although the site is only 150 miles east of a marginal Basket-Maker culture, no local trace was found of these early southwestern people. The material differs in some respects from any other in the Museum and more research will be required before it can be definitely identified.

EDITORIAL WORK AND PUBLICATIONS

The editing of the publications of the bureau was continued through the year by Stanley Searles, editor, assisted by Mrs. Frances S. Nichols, editorial assistant. The status of the publications is presented in the following summary:

PUBLICATIONS ISSUED

Forty-fifth Annual Report. Accompanying papers: The Salishan Tribes of the Western Plateaus (Teit, edited by Boas); Tattooing and Face and Body Painting of the Thompson Indians, British Columbia (Teit, edited by Boas); The Ethnobotany of the Thompson Indians of British Columbia (Steedman); The Osage Tribe: Rite of the Wa-xo-be (La Flesche). vii + 857 pp., 29 pls., 47 figs.

- Forty-sixth Annual Report. Accompanying papers: Anthropological Survey in Alaska (Hrdlička); Report to the Honorable Isaac S. Stevens, Governor of Washington Territory, on the Indian Tribes of the Upper Missouri (Denig, edited by Hewitt). vii + 654 pp., 80 pls., 35 figs.
- Bulletin 96. Early Pueblo Ruins in the Piedra District, Southwestern Colorado (Roberts). ix + 190 pp., 55 pls., 40 figs.
- Bulletin 97. The Kamia of Imperial Valley (Gifford). vii + 94 pp., 2 pls., 4 figs.
- Bulletin 100. The Ruins at Kiatuthlanna, Eastern Arizona (Roberts). viii + 195 pp., 47 pls., 31 figs.

PUBLICATIONS IN PRESS

- Forty-seventh Annual Report. Accompanying papers: The Acoma Indians (White); Isleta, New Mexico (Parsons); Introduction to Zuñi Ceremonialism (Bunzel); Zuñi Origin Myths (Bunzel); Zuñi Ritual Poetry (Bunzel); Zuñi Katcinas (Bunzel).
- Bulletin 94. Tobacco Among the Karuk Indians of California (Harrington).
- Bulletin 98. Tales of the Cochiti Indians (Benedict).
- Bulletin 99. Cherokee Sacred Formulas and Medicinal Prescriptions (Mooney and Olbrechts).
- Bulletin 102. Menominee Music (Densmore).
- Bulletin 103. Source Material for the Social and Ceremonial Life of the Choctaw Indians (Swanton).
- Bulletin 104. A survey of the Ruins in the Region of Flagstaff, Arizona (Colton).
- Bulletin 105. Notes on the Wapanowiweni (Michelson).

DISTRIBUTION OF PUBLICATIONS

The distribution of the publications of the bureau has been continued under the charge of Miss Helen Munroe, assisted by Miss Emma B. Powers. Publications distributed were as follows:

Annual Report volumes and separates.....	6, 003
Bulletins and separates.....	13, 924
Contributions to North American Ethnology.....	33
Miscellaneous publications.....	515
Total.....	20, 475

As compared with the fiscal year ended June 30, 1930, there was a decrease of 4,393. This decrease is mainly in the distribution of bulletins and separates, and possibly is

largely explained by the very large number of separates from the Handbook which were sent in the previous year to the many groups of Camp Fire Girls. No great demand from any one group was received during the past fiscal year.

Twenty-eight addresses were added to the mailing list during the year and 20 were taken off. The mailing list now stands at 1,635 in addition to the members of the staff of the bureau and other branches of the Institution who receive the publications regularly as issued.

ILLUSTRATIONS

Following is a summary of work accomplished in the illustration branch of the bureau under the supervision of De Lancey Gill, illustrator:

Photographs and drawings retouched, lettered, and otherwise made ready for engraving	748
Drawings made, including maps, diagrams, etc	48
Engravers' proofs criticized	524
Printed editions of colored plates examined at Government Printing Office	7,000
Correspondence attended to (letters)	135
Photographs selected and catalogued for private publication ..	310
Photolaboratory work by Dr. A. J. Olmsted, National Museum, in cooperation with the Bureau of American Ethnology:	
Negatives	154
Prints	335
Lantern slides	91
Films developed from field exposures	48

During the early part of the calendar year Miss Mae W. Tucker was detailed to this branch to assist in listing and cataloguing the great collection of Indian negatives already classified by Mr. Gill in previous years. Of the purely ethnologic subjects, including portraits, arts, and industries, the list will embrace more than 7,000 units. This work, so long delayed, has progressed most satisfactorily.

LIBRARY

The reference library has continued under the care of Miss Ella Leary, librarian, assisted by Thomas Blackwell.

During the year 600 volumes were accessioned, of which 97 were acquired by purchase, 100 by binding of periodicals,

and 403 by gift and exchange; also 190 pamphlets and 3,500 serials, chiefly the publications of learned societies, were received and recorded, of which 28 were obtained by purchase, the remainder being received through exchange, giving us at the close of the year a working library of 26,671 volumes, 16,717 pamphlets, and several thousand unbound periodicals. Books loaned during the year numbered 975 volumes. During the year 473 volumes were bound. In addition to the use of its own library, which is becoming more valuable through exchange and by limited purchase, it was found necessary to draw on the Library of Congress for the loan of about 250 volumes, and in turn the bureau library was frequently consulted by officers of other Government establishments, as well as by students not connected with the Smithsonian Institution. The purchase of books and periodicals has been restricted to such as relate to the bureau's researches. During the year the cataloguing has been carried on as new accessions were acquired and good progress was made in cataloguing ethnologic and related articles in the earlier serials. The catalogue was increased by the addition of 3,500 cards. A considerable amount of reference work was done in the usual course of the library's service to investigators and students, both in the Smithsonian Institution and outside.

COLLECTIONS

Accession No.

111046. Human skeletal material from a gravel bed along the Patuxent River, Md., collected by T. Dale Stewart on June 16, 1930. (12 specimens.)
111697. About 100 crania and parts of skeletons from Safety Harbor, Fla., collected by M. W. Stirling. (139 specimens.)
111961. Miniature clay toys made by Navajo Indian children and collected by Dr. W. H. Spinks at Chin Lee, Ariz., and 15 snapshots. (37 specimens.)
112277. Collection of 802 ivory specimens, etc., secured by Dr. A. Hrdlička along the Kuskokwim in 1930 from funds supplied by the bureau. (802 specimens.)
112393. Archeological and skeletal material collected by Dr. F. H. H. Roberts, jr., during the summer of 1929 from a site in Arizona. (553 specimens.)

112888. Archeological material from the vicinity of Tampa Bay, Fla., collected by M. W. Stirling in 1930. (115 specimens.)
114648. Skeletal material from Horrs Island, Collier County, Fla., collected during February and March, 1931, by M. W. Stirling. (150 specimens.)

PROPERTY

Office equipment was purchased to the amount of \$571.25.

MISCELLANEOUS

The correspondence and other clerical work of the office has been conducted by Miss May S. Clark, clerk to the chief, assisted by Anthony W. Wilding, clerk. Miss Mae W. Tucker, stenographer, was engaged in copying manuscript material for Doctor Swanton and in assisting Mr. Hewitt in his work as custodian of manuscripts and phonograph records. The manuscript Dictionary of * * * Indian Languages of North, Central, and South America and the West Indies, compiled by W. R. Gerard, which was in danger of becoming illegible due to the frayed condition of the paper on which it was written and the faded writing, has been copied by Miss Tucker. Work was begun on the catalogue of the photographic negatives belonging to the bureau. To date approximately 7,000 negatives have been listed.

During the course of the year information was furnished by members of the staff in reply to numerous inquiries concerning the North American Indians, both past and present, and the Mexican peoples of the prehistoric and early historic periods to the south. Various specimens sent to the bureau were identified and data on them furnished for their owners.

Personnel.—Winslow M. Walker was appointed as associate anthropologist on the staff of the bureau on March 6, 1931.

Miss May S. Clark, clerk, retired June 30, 1931.

Respectfully submitted.

M. W. STIRLING, *Chief.*

Dr. C. G. ABBOT,

Secretary, Smithsonian Institution.

ACCOMPANYING PAPER



GENERAL INDEX
ANNUAL REPORTS
OF THE
BUREAU OF AMERICAN ETHNOLOGY

VOLS. 1 TO 48
(1879 TO 1931)
[WASHINGTON, D. C., 1881-1933]

COMPILED BY
BIREN BONNERJEA

CONTENTS

	Page
Preface.....	29
Subject index.....	33
List of annual reports of the Bureau of American Ethnology.....	1185
Index to authors and titles.....	1205
Obituary.....	1221
95719°—33—3	27

PREFACE

To the cultural anthropologist, as also to the archeologist, the United States of America offer an unusually rich field in being a region where civilized and primitive races exist side by side, where languages belonging to totally different linguistic stocks are still spoken by isolated tribes differing from each other in their cultural and physical aspects, and where traces of lost civilizations indicating the antiquity of man are being unearthed every day. The Bureau of American Ethnology, since its beginning in 1879, has attempted to preserve these ancient records for posterity; and its annual reports are a veritable storehouse of information on languages and customs of tribes, many of whom have already disappeared and others are fast disappearing. In fact, it would be safe to assert that there is no one series of books containing so much material about the North American aborigines as these annual reports.

The present index had its origin some years ago when, on my arrival in America, I frequently had occasion to use the annual reports. Out of the vast amount of material contained in some 30,000 pages it was often extremely difficult, if not altogether impossible, to find any particular item. To save time and trouble I collected certain references to subjects in which I was interested. It then occurred to me that a general index to the reports might be useful to others too, and on my suggesting the matter to the Chief of the Bureau of American Ethnology it met with his approval. So what began as a mere handful of references of a very special nature has ended in being a general index.

Originally it was my intention to include only those volumes which were published during the first 50 years of the existence of the bureau, but owing to technical and other difficulties it was found advisable to publish my "Index" as the accompanying paper to the Forty-eighth Annual Report. Therefore, after my whole manuscript was prepared and ready for the press, I included in it the report for the fifty-first year of the bureau. Moreover, owing to the portly proportions this work has already assumed, my former plan of including an index to illustrations had to be abandoned. I hope, however, to be able to publish this at some future date.

It is my pleasant duty to thank, first of all, the Chief of the Bureau of American Ethnology, Mr. Matthew W. Stirling, for allowing this paper to be published in the series of annual reports, and for the uniformly courteous treatment I have received from him.

Dr. Truman Michelson and Dr. John R. Swanton, both of the same bureau, have very kindly given me the benefit of their wide experience, and have offered me many valuable hints on how an index may be of

the utmost value to its user. I take this opportunity of expressing my gratitude to them; but I wish it to be understood that they are in no way responsible for any mistakes I may have made.

I also must not forget to express my genuine appreciation of the excellent indexing work of Mrs. Frances S. Nichols, without which my labor would have been considerably increased. For indexing the reports of the last few years I have done very little except to classify and rearrange the work of Mrs. Nichols, with slight additions and alterations here and there in order to obtain uniformity for the whole work.

I also wish to thank all the officials of the Bureau of American Ethnology with whom I came in contact during my frequent visits to that institution for their unfailing courtesy and willing cooperation.

BIREN BONNERJEA.

WASHINGTON, D. C., *December 25, 1931.*

INDEX REFERENCES

The references in the index are as follows:

- Vol. 2----- Zuñi (pp. 3-45); Iroquois (pp. 47-116); Navaho (pp. 167-178).
- Vol. 3----- Omaha (pp. 205-370); Navaho (pp. 371-391).
- Vol. 5----- Cherokee (pp. 121-378); Navaho (pp. 379-467); Seminole (pp. 469-531); Zuñi (from p. 533).
- Vol. 6----- Maya (pp. 253-371); Osage (pp. 373-397); Central Eskimo (from p. 399).
- Vol. 7----- Ojibwa (pp. 143-300); Cherokee (pp. 301-397).
- Vol. 8----- Navaho (from p. 229).
- Vol. 9----- Point Barrow Eskimo (to p. 441); Apache (from p. 443).
- Vol. 11----- Sia (to p. 157); Eskimo of Ungava District (pp. 159-350); Siouan tribes (from p. 351).
- Vol. 13----- Omaha (pp. 263-288); Zuñi (from p. 321).
- Vol. 14----- Menomini (to p. 328).
- Vol. 15----- Siouan tribes (pp. 153-244); Tusayan (pp. 245-313).
- Vol. 16----- Peruvian (to p. 72); Maya (pp. 199-265); Tusayan (from p. 267).
- Vol. 17----- Seri (pp. 1-128, 129*-344*); Kiowa (pp. 129-445); Navaho (pp. 469-517).
- Vol. 18----- Eskimo of Bering Strait (to p. 518).
- Vol. 19----- Cherokee (to p. 548); Tusayan (pp. 573-653, 957-1011); Maya (pp. 693-819).
- Vol. 21----- Hopi (to p. 126); Iroquois (from p. 127).
- Vol. 22, i----- Maya (pp. 197-305).
- Vol. 22, ii----- Pawnee.
- Vol. 23----- Zuñi.
- Vol. 25----- Porto Rican (to p. 320).
- Vol. 26----- Pima (to p. 389); Tlingit (from p. 391).
- Vol. 27----- Omaha.
- Vol. 28----- Tewā Indians.
- Vol. 30----- Zuñi (to p. 102); Guiana Indians (from p. 103).
- Vol. 31----- Tsimshian.
- Vol. 32----- Seneca Indian.
- Vol. 33----- Hawaiian (from p. 285).
- Vol. 34----- Antillean.
- Vol. 35----- Kwakiutl.
- Vol. 36----- Osage.
- Vol. 37----- Winnebago.
- Vol. 38----- Guiana Indian.
- Vol. 39----- Osage.
- Vol. 40----- Fox Indian.
- Vol. 42----- Creek Indian (to p. 672).
- Vol. 43----- Osage (to p. 164); Wawenock (pp. 165-197); Mohegan (pp. 199-287); Picuris (pp. 289-447); Iroquois (from p. 449).
- Vol. 44----- Chickasaw (pp. 169-273); Chippewa (pp. 275-397).
- Vol. 45----- Salishan tribes (to p. 396); Thompson Indians (pp. 397-522); Osage (from p. 523).
- Vol. 46----- Alaska (to p. 374); Upper Missouri tribes (from p. 375).
- Vol. 47----- Acoma (to p. 192); Isleta (pp. 193-466); Zuñi (from p. 467).

And according to tribal classification they are as follows

Acoma, 47; Alaska, 46; Antillean, 34; Apache, 9; Assiniboin, 46; Bering Strait, Eskimo of, 18; Central Eskimo, 6; Cherokee, 5, 7, 19; Chickasaw, 44; Chippewa, 44; Coeur d'Alène, 45; Creek, 42; Eskimo, Central, 6; Eskimo of Bering Strait, 18; Eskimo of Point Barrow, 9; Eskimo of Ungava District, 11; Flathead, 45; Fox, 40; Guiana Indian, 30, 38; Hawaiian, 33; Hopi, 21; Iroquois, 2, 21, 43; Isleta, 47; Kiowa, 17; Kwakiutl, 35; Maya, 6, 16, 19, 22, i; Menomini, 14; Mohegan, 43; Navaho, 2, 3, 5, 8, 17; Ojibwa, 7; Okanagon, 45; Omaha, 3, 13, 27; Osage, 6, 36, 39, 43, 45; Pawnee, 22, ii; Peru, 16; Picurís, 43; Pima, 26; Point Barrow Eskimo, 9; Porto Rico, 25; Salishan tribes, 45; Seminole, 5; Seneca, 32; Seri, 17; Sia, 11; Siouan tribes, 11, 15; Tewa, 28; Thompson Indians, 45; Tlingit, 26; Tsimshian, 31; Tusayan, 15, 16, 19; Ungava District, Eskimo of, 11; Upper Missouri tribes, 46; Wawenock, 43; Winnebago, 37; Zuñi, 2, 5, 13, 23, 30, 47.

PART I
SUBJECT INDEX

PART I. SUBJECT INDEX

A

A'ākakimbawi'ut, Caddo name of Ghost Dance 14: 791.

Aaltû

fraternities, ceremonies celebrated by 21: 23.

religious society at Walpi, sources and census of 19: 623, 627.

See also **Alosaka**.

A'-an Hi'tûpăki, Pima village 26: 24.

Ää'ninēna

an Arapaho division 14: 955.

an Arapaho synonym 14: 1013.

Äanōñte. *See* **Dohāsän**.

Aanû'hawă, an Arapaho division 14: 956.

Ââpap Anton. *See* **Maricopa Antoine**.

Aape. *See* **Ape**.

Abacu, a mnemonic device of Chinese and Greeks 10: 226.

Abagh day symbol discussed 16: 229.

Abalone

blanket covered with 35: 701, 777, 778.

hat covered with 35: 701, 777, 778.

in Tlingit mythology 26: 459.

Tlingit and Haida names for 26: 476.

Abalone Bow, explanation of, tale of 31: 284, 835.

Abalone Names 35: 1267, 1275.

of the Awik'lēnox, origin of 35: 1261.

of the Gwa'sēla, origin of 35: 1269.

Abalone Shell, game called 47: 241.

Abalone Shells 35: 685, 777, 1069, 1262, 1272.

beads of 44: 164 *sq.*

dishes of 44: 146 *sq.*

fishhooks made of 44: 139.

gorgets of 44: 139.

ornaments of 28: 143.

pendants of 44: 149, 150, 153.

Abalone Shells—Continued

rim pendants of 44: 148.

ring-shaped ornaments of 44: 154.

used as nose ornament 31: 53.

Abbe, Prof. Cleveland, eclipse explained to the Indians by 4: 125.

Abbes, H. 46: 367.

Abbott, Judge A. J., references to 29: 410, 423.

Abbott, C. C. 46: 332, 333, 351.

cited 12: 680, 702, 705, 706.

definition of gorgets by 13: 117.

described bird totems 2: 284.

designation of turtlebacks 13: 136.

Eskimo charms and amulets 13: 115.

jasper clubs 13: 143.

Kiowa ceremonial image 13: 116.

on abundance of stone axes 13: 63.

on capture of *taimē* 17: 325.

plummet found in mortar by 13: 98.

stone sinkers 13: 97.

turtleback finds of, discussed 15: 30.

use of bird-shape stones 13: 98.

use of perforated stones 13: 98.

Abbott, —, on effect of Georgia anti-Cherokee laws 19: 118.

Abbreviated Katcina

dances, description of 21: 56.

fraternities taking part in 21: 23.

of Tusayan 15: 254, 292.

See also **Soyohim Katcinas**.

Abbreviations

in signs 1: 338.

key to 30: 107, 113–116.

Abeita, Felipe, a governor 47: 254.

Abeita, Juan, Isleta informant 47: 201.

Abeita, Juan Trinida, a governor 47: 254.

Abeita, Pablo

a Federal judge 47: 254.

story concerning 47: 207.

Abeita, Rufina, mention of 47: 258.

- Abell, W. H.**, Kiowa agent in 1894
17: 226.
- Abenaki Indians**
retirement of, to Canada 43: 175.
territory occupied by 43: 170.
See also **Abnakis**; **Abnaquies**.
- Abenaki of Becancour**, a synonym of
Wawenock 43: 173.
- Abenaki, St. Francis.** *See* **St. Francis Abenaki**.
- Abert, Lieut. J. W.**
on Chibili 29: 531.
on Cochiti 29: 439.
on Pogueate 29: 539.
on San Felipe 29: 500.
on Santo Domingo 29: 449.
- Abies Balsamea**
medicinal constituents of 44: 303.
medicinal properties of 44: 299.
use of 44: 299.
- Abies Grandis** 45: 462, 482, 496, 509.
- Abies sp.** 45: 462, 484.
- Abihka**
a White town 42: 254.
ceremonial title of 42: 307, 614.
clans of, furnishing chiefs and
henihas 42: 194.
clans, phratries and moieties of 42:
158, 159.
connection of, with origin of Upper
Creeks 42: 40.
early history of 42: 50.
legendary association of, with Co-
weta 42: 53.
mention of 42: 36, 348.
one of four leading towns 42: 548.
the gateway to the Creek country
42: 307.
- Abihka-in-the-West**
allocation of clans in beds at 42:
201-204.
arrangement of square ground of
42: 206, 208.
clan council of 42: 123.
clans of, furnishing chiefs and heni-
has 42: 192.
clans, phratries and moieties of 42:
158 sq.
position of beds at 42: 198.
Upper Creek White town 42: 123,
254.
- Abihka**, near Eufaula.
allocation of clans in beds at 42:
201-204.
arrangement of square ground of
42: 206, 207.
clans of, furnishing chiefs and heni-
has 42: 192.
position of beds at 42: 198.
- Abihkutci**
allocation of clans in beds at 42:
201-204.
arrangement of square ground of
42: 212, 221.
clan council of 42: 124.
clans of, furnishing chiefs and heni-
has 42: 192.
position of beds at 42: 198.
Upper Creek White town 42: 198.
- Abingdon, Va.**
early names for 42: 759.
trails near 42: 750, 758, 759.
- Abiquin (Abiquiu)**, treaty of 18:
780.
- Abiquiu**
ancient cemetery of 1: 111.
New Mexico, petroglyphs near 10:
97.
New Mexico, pottery of 4: 282.
site of ancient Josoge 19: 611.
- Ablutions**
of corpse 38: § 857.
of sick persons 38: § 922.
- Abnaki**
devices 4: 152, 153.
games of the—
racket 24: 571.
tossed ball 24: 708.
genesis of the 14: 87.
jugglery among the 14: 145.
pictography of the 14: xxxii.
region, extent of 20: 167 sq.
totemic marks of the 14: 65.
ware of the 20: 179 sq.
- Abnaki Dictionary**, manuscript of
29: 23.
- Abnaki, French protection of** 18:
549.
- Abnaki Indians**
birch-bark pictographs of 10: 201,
213 sq., 468 sq.
designation of Queen Victoria by
10: 443.

Abnaki Indians—Continued

- gods of, presiding over petroglyphs 10: 32.
- intelligence communicated by 1: 369.
- masks worn as insignia of authority by women of 10: 425.
- notices of direction and time used by 10: 334.
- observations on 22 i: x.
- petroglyphs of 10: 32.
- population 7: 48.
- shell beads of 5: xxxvi.
- study of pictographs of 10: xii
- wikhegan, or birch-bark letter of 10: 330 sq.

Abnaki Language

- description of 28: 283-287, 289, 290.
- examples in comparison with 28:
 - Cree 238, 239.
 - Delaware 238, 290.
 - Fox 238, 239.
 - Micmac 238.
 - Natick 290.
 - Ojibwa 290.
 - Passamaquoddy 239.
 - Peoria 238, 239.
 - Shawnee 238, 239.
 - Stockbridge 238, 239.
- pronunciation of 28: 228.
- relationship 28: 289.

Abnaki Tribe

- linguistic investigations among 28: 225.
- reference to 28: 290.

Abnaquies

- tribes composing 43: 170.
- See also* **Abnaki**; **Abnaki Indians**; etc.

Abore Indians, identification of 30: 119.**Aboriginal Centres of migratory distribution 3: 151.****Aboriginal Mines and Quarries 24: xi sq.****Aboriginal Remains 24: xi.**

- in Verde Valley 13: 185-261.

Aborigines of West Indies, memoir on, by J. W. Fewkes 37: 7.**Abortion**

- among the Pima 26: 186.
- description of 30: 246; 38: § 908.
- means used to produce 46: 521.

Abortion—Continued

- medicine used in 30: 52.
- Menomini, produced by use of hair 14: 286.

Abraded Stone Implements, discussed 15: 94.**Abrading, implements produced by 15: 27, 148.****Abrading Implements, illustrated 15: 104.****Abraham, —, murder of 19: 65, 66.****Abram, Charles**

- death of 48: 13.
- information furnished by 41: 8.

Abram's Falls, Va., mention of 42: 751.**Absaroka, a synonym for Crow (*q. v.*).**

- customs of 4: 55, 166, 230.
- headdress of 10: 753 sq.
- investigation of the 14: xxxiv.
- sign for medicine man of 10: 466.
- reference to beliefs of 11: 505.
- tribal designation of 10: 380.
- tribal signs for 1: 458.
- war color of 10: 631.

Absaruke. *See* Crow Indians.**Abscess, treatment of 38: § 929.****Absentee Shawnee, land cessions and reservations by 18: 850, 856, 902, 940.****Abstinence, forms of 47: 504 sqq.****Abstract Ideas**

- expressed in signs 1: 348.
- pictured 4: 233.
- used pictorially 10:
 - after 585.
 - age 585 sq.
 - bad 586.
 - before 586.
 - big 586 sq.
 - center 587.
 - deaf 587.
 - direction 588.
 - disease 588 sqq.
 - fast 590.
 - fear 590 sq.
 - freshet 591 sq.
 - good 592.
 - high 592 sq.
 - lean 593 sq.
 - little 594 sq.
 - lone 595 sq.
 - many; much 596.
 - obscure 597.
 - opposition 597 sq.

Abstract Ideas—Continued

used pictorially 10—continued

possession 598.

prisoner 598 *sq.*

short 600.

sight 600 *sq.*

slow 601.

tall 601 *sq.*

trade 603.

union 603 *sq.*

whirlwind 604 *sq.*

winter; cold; snow 605 *sq.*

Acacia Greggii, Pima food plant
26: 76.

Academy of Sciences Museum 46:
235.

Acapulco

departure of Alarcon from 14: 403.

departure of Ulloa from 14: 369.

port on coast of New Spain 14:
385.

rendezvous for Alvarado's fleet 14:
409.

Acatl

day symbol discussed 16: 245.

meaning of 16: 227.

Acaxee, medicine tubes 13: 127.

Acaxés Indians of Culiacan 14: 514.

Acaxers and Yaquis, cairn burial 1:
143.

Access to cliff villages 16: 144, 157,
158.

Accidents, cause of 30: 241.

Accomac, mention of 42: 694.

Accomacke Indians, grants of land to
18: 567.

Accompanying Paper 24: xxxix *sq.*
characterization of 13: xliv; 14:
1; 17: lxiii-lxxiii.

note on 28: 21.

noticed 9: xlii-xlvi.

Accouchement

among the Guiana Indians 38:
§ 904-906.

among the Omahas 3: 201.

See also **Pregnancy**.

Accounting, pictographic methods of
10: 259-264.

Accounts

method of keeping 46: 420 *sq.*

of Bureau 24: xxxv.

Acculturation 3: lxvi.

between Isleta and Laguna 47: 351.

Catholic 47: 203, 205 *sq.*

Acculturation—Continued.

factors in 47: 56.

of the Indians 14: xxxiv.

study of 19: xxi-xxv.

Acer, use of 44: 369.

Aceraceae 33: 100.

Acer Circinatum 45: 498.

Acer Glabrum 45: 475, 499, 500.

Acer Negundo 33: 61, 101.

Acer Saccharinum 33: 100.

use of 44: 286, 307, 377.

See also **Sugar Maples**.

Achagua Indians, legend on creation
30: 143, 145, 146.

Acha Pueblos 14: 519.

Achastians. *See* **Rumsen**.

Achastlians, Lamanoon's vocabulary
of the 7: 75.

Achese, mention of town yard of 42:
175.

Achia, battle of 42: 826.

Achievements, signs of individual 4:
183-187.

Achillea Millefolium 33: 134; 45:
460.

medicinal constituents of 44: 303.

medicinal properties of 44: 299.

medicinal use of 42: 663.

use of 44: 286, 336, 364, 366.

Achomawi

games of the 24:

ball juggling 712.

double ball 648, 661.

football 698, 703.

four-stick game 327, 332, 333.

hand game 307.

hoop and pole 494.

shinny 633.

stick games 257.

Achoma'wi, a Pit river band 14:
1052.

Achras Sapota 38: § 247.

Ackawoi

dance sticks of 25: 195.

See also **Akawai**.

Acklin, number of specimens from
34: 50.

Ackerman, Thomas, reference to
28: 37.

Acknowledgments 17: xliv, 20 *sq.*,
147; 18: xxix; 19: 12 *sq.*; 20:
16 *sq.*, 21 *sq.*, 644; 23: 19, 20;
24: xvi, xviii, xix, 29 *sq.*; 29: 38;
31: 32; 41: 494; 42: 31 *sq.*, 745;
44: 32 *sq.*; 46: 31.

- Acne** among the Pima 26: 268.
- Acochis**, Indian name for gold 14: 493, 512.
- Acolapissa**
mention of 42: 686.
tribe of Choctaw Confederacy 19: 500.
- Acoma**
Alvarado's description of 14: 594.
Castañeda's description of 14: 491.
description of, by companions of Castañeda 14: 569, 575.
reputation of, in Sonora 14: 357.
Jaramillo's name for 14: 587.
Snake dance at 16: 305, 310.
structural development of 16: 155.
Tigua name for 14: 492.
visit of Arellano to 14: 494.
visit of Spaniards to 14: LVII, 390.
worship of cross at 14: 544.
Zuñi name for 14: 490.
See also **Acuco**; **Acus**.
- Acoma or Akokaibi**
abandonment of 13: 261.
arrival of Asanyumu at 8: 30.
an example of naturally fortified pueblos 19: 641 *sq.*
collections from 2: 404.
collection of J. Stevenson from 6: XLIX.
direction of kivas of 8: 116.
kivas in 13: 257.
kiva trapdoors at 8: 207.
language, a Keresan dialect 7: 83.
population 7: 83.
selection of site of 13: 215.
settlement of 19: 589.
work at 19: XIII.
- Acoma Indians**
attitude of, toward whites 47: 28.
conservatism of 47: 29.
culture of, discussion of 47: 140 *sq.*
fight of, with Spaniards 47: 27.
legal status of 47: 59.
name for 29: 574.
origin of 47: 24.
revolt of 47: 28.
visit of, to Washington 34: 28.
- Acoma Mesa**, description of 47: 24.
- Acoma Pottery** 4: 300.
- Acoma Pueblo**
act of Congress affecting 18: 920.
ceremony at 47: 1011.
description of 47: 23, 24, 29.
position of, in southwest 47: 141.
pottery from 5: xxv, xxxvi.
references to 28: 158, 159 *sq.*
- Acomita**, location of houses at 47: 29.
- Acocqua Indians**, belief as to God 30: 117.
- Acorn**, a Cherokee clan 42: 118.
- Acorn Indians**, classic term proposed 20: xiv.
- Acorns**
as Pima food 26: 78.
method of cooking 44: 320.
representation of, in Florida pottery 20: 124.
use of, as food 14: 517; 20: xiv.
- Acorn-shell**ers of stone 13: 88, 96.
- Acorus Calamus** 33: 69.
human transportation of 33: 69.
medicinal constituents of 44: 303.
medicinal properties of 44: 299.
medicinal use of 27: 584.
use of 44: 286, 340, 342, 344, 376.
- Acosta, José de**
cited on sacrifices of Indian corn 9: 525.
on Mexican sorcerers 14: 138.
- Acosta, J. J.**
on Fray Iñigo 25: 20.
on stone collars 25: 167, 169, 170 *sqq.*
- Acosta, Maria de**, wife of Pedro Castañeda 14: 470.
- Acquisition** of new materials modifies form in pottery 4: 451.
- Acrelius, Israel**, cited on Swedish purchases from Indians 18: 591.
- Acropolis** of Sikyatki 17: 638, 640, 643-646.
- Actea Eburnea** 45: 463, 512.
- Actea Rubra**
medicinal constituents of 44: 303.
medicinal properties of 44: 299.
use of 44: 286, 358.
- Activital** similarities 3: LXV.
- Activities, American Indian**, progress of research in 17: xxix-xxxviii.

Activities

- classification of 20: XXIX.
- classification of peoples by 18: XXVI sq.
- designed for expression 20: CXLIII-CXLIV.
- discussion of 19: LXIV sq.
- of mankind 16: xvi.
- tribal, definition of 22, i: x.

Actopan River, names of 25: 235.

Actors, modern, use of gestures by 1: 294.

Acuan Illinoensis 33: 89.

Acuco

- cartographic history of 14: 403.
- location of 14: 519, 524.
- name for Acoma 47: 23.
- visit of Alvarado to 14: 490.
- See also* **Acoma**; **Acus**.

Acucu, Coronado's comment on name of 14: 560.

Acuique, name for Cicuye 14: 523.

Acuña, C.

- cited 30: 118, 139, 334, 365.
- on Amazons 30: 364, 365.
- on carvings 30: 140.
- on dwarfs, etc. 30: 363.

Acus

- Coronado's account of 14: 357.
- identified with Acoma 14: 560.
- See also* **Acoma**; **Acuco**.

Adaba, legend of 30: 215 sq.

Adai, a Caddo division 14: 1092.

Adai Indians, mission among 42: 829.

Adair, Andrew, murder of 5: 319.

Adaili, legend of 30: 212.

Adair, James

- cited 12: 619, 654, 665, 674, 675.
- describes shell tweezers 2: 212.
- experiences of 42: 819, 828.
- on Cherokee basketry 13: 16.
- on Cherokee boundaries 5: 141.
- on Cherokee dialects 19: 16.
- on Cherokee intratribal friction 19: 496.
- on Cherokee lack of conservatism 19: 229.
- on Cherokee population 19: 34.
- on Cherokee relations with Creeks 19: 384.
- on Cherokee sacred ark 19: 503.
- on Cherokee snake myths 19: 457, 459 sq., 461.

Adair, James—Continued

- on Cherokee sufferings from small-pox 19: 36.
- on Cherokee thunder myths 19: 441.
- on Cherokee war of 1759-1761 19: 41.
- on Cherokee weaving 13: 23.
- on Choctaw chungke stones 13: 99.
- on Christian Priber's work 19: 37.
- on Creek myths 19: 475.
- on decay of Cherokee rituals and traditions 19: 20.
- on effects of Cherokee war (1760-1761) 19: 45.
- on gatayústi game 19: 434.
- on Herbert's Spring 19: 404.
- on hoop and pole 24: Cherokee 487. Choctaw 485 sq. Creeks 487.
- on horses and swine among Cherokee 19: 82, 213.
- on implements of southern Indians 13: 142 sq.
- on Indian beliefs concerning birds 19: 453 sq.
- on Indian beliefs concerning food 19: 472.
- on Indian beliefs concerning wolf 19: 448.
- on Indian conduct during eclipse 19: 441.
- on Indian custom of removing deer's hamstring 19: 447.
- on Indian marriage customs 19: 482.
- on Iroquoian wars 19: 357 sq., 491.
- on name Cherokee 19: 16.
- on peace towns 19: 207, 208.
- on racket (Choctaw) 24: 598.
- on sacred breastplate 13: 115.
- on sacred fire 19: 503.
- on scarification (Cherokee) 24: 580 sq.
- on scratching ceremony 19: 476.
- on Shawano wars 19: 371.
- on spinning by southern Indians 20: 33.
- on Taskigi among Creeks 19: 389.
- on tlá'nuwá 19: 466.
- on use of cane fish spears 19: 142.

Adair, James—Continued

- on use of nut-crackingstones 19: 91.
- on use of stone axes 19: 63.
- on welcome ceremony 19: 493.
- quoted on Choctaw villages 7: 40.
- use made of narrative of 44: 173.

Adair, John Lynch, commissioner for Cherokee boundaries 5: 365.**Adair, Washington**, murder of 5: 319.**Adaizan and Caddoan Languages**, compared 7: 46.**Adaizan family** 7: 45 *sq.***Adaize**, a Caddo division 14: 1092.**Â'dalbeáhya**, a Kiowa "medicine" 17: 237, 238.**Â'dalhabä'-k'ia**, death of 17: 277.**Â'dal-k'ato'igo**, a Sahaptin synonym 14: 744.**Â'dalpepte**

- acknowledgments to 17: 147.
- age of 17: 164.
- destruction of property of 17: 354.
- information furnished by 17: 146.

Â'daltoñ-édal, death of 17: 313.**Ädalto'yiu**

- a Kiowa military order 17: 230.
- a Kiowa warrior order 14: 989.

Adam, Chief, mention of 45: 270.**Adam, Lucien**

- on ancient language of Cuba 25: 218.
- on Antillean language 25: 78.
- on the Taensa language 7: 96.

Adamana, Ariz., ruined pueblo near 22, i: 19, 136.**Adams, —**, excavations at Epley's ruins by 22, i: 171.**Adams, —**, on scientific synonym for wild rice 19: 1021.**Adams, Agent**, at Anadarko Council 14: 913.**Adams, Captain**, aid acknowledged 5: 130.**Adams, Charles E.**, Kiowa agent in 1889 17: 226.**Adams, Charlie**, an informant 42: 528.**Adams, J. D.**, mound on farm of, in Arkansas 12: 241.**Adams, John Quincy**

- cited on Indian right to soil 18: 536 *sq.*
- on relations of Georgia and Cherokee 5: 239.

Adams, William, killed at Wounded Knee 14: 872.**Adams, William A.**, on rock carvings 4: 22.**Adam's Cave**, Graham mountains, visit to 22, i: 188.**Adams County, Ohio**

- occurrence of earthenware spoons in 20: 44.
- serpent earthwork in 4: 402.

Adamsville, Ariz., references to 28: 34 *sq.*, 112.**Adaptations**, cranial 46: 359.**A'dâte**

- a Kiowa chief 17: 164, 263.
- deposed as chief 17: 259.

Adda, beliefs concerning 30: 171 *sq.*, 229 *sq.***Adder**

- myths concerning 19: 297, 436.
- spreading, a symbol of life 36: 103.

Addis, —, on magical numbers 19: 848, 849.**Addison, —**, gestures of orators 1: 294.**Adelphiarchy**, characters of 17: 276*.**Adelphogamy**, traces of, among the Seri Indians 17: 281*, 283*.**Adelung, J. C.**, cited 6: 262.**Adjective**, the, in Indian languages 1: 10.**"Adjedatig"** 1: 197.**Adkins, John**, a Kiowa trader 17: 313.**Adlet or Ergigdlit** 6: 640.**Adlet and Qadlunait**, origin of the 6: 637.**Administrative Report**. (at the beginning of each Annual Report) how submitted 15: xx.**Admiral of fleet** 38: § 741.**Admiralty Islands**, Indians on 26: 412.**Adobe**

- absence of, in Verde ruins 13: 187, 257.
- balls used in garden walls 8: 146.
- blocks not aboriginal 16: 108.
- bricks in Hawikuh church 8: 81.
- construction in Pueblo region 16: 163.
- construction of modern introduction 13: 238.
- defined 13: 309.

Adobe—Continued

- description of 14: 520, 562, 569.
- limit to use of 13: 238.
- necessity for protecting against rain 8: 156.
- making of, described 14: 356.
- plastering in cavate houses 17: 542.
- use in Tusayan 8: 54, 78.
- use in Zuñi attributed to foreign influence 8: 139.
- use modern in Zuñi 8: 138.
- use of 29: 80.
- use of, in Pueblo buildings 22, i: 29, 176.
- used in Spanish churches 8: 224.
- walls in Casa Blanca 16: 108, 109, 111.
- walls of, in the southwest 23: XXIX.
- walls on stone foundation at Moenkopi 8: 78.

See also **Masonry; Plastering.**

Adobe Construction

- description of 28: 80.
- what constitutes 15: 323.

Adobe Mortar

- Cibola and Tusayan use compared 8: 137.
- in Tâaaiyalana structures 8: 90.

Adobe Walls

- establishment of 17: 199, 316.
- threatened attack on 17: 202.

Ä'do-eétte

- arrest of 17: 188, 328.
- efforts for release of 17: 190, 191.
- Kiowa councilman in 1888 17: 221.
- portrait of 17: 192.
- release of 17: 195.
- surrender of 17: 206.

Adolescent Girl

- segregated among the Tsimshian 31: 450.

See also **Menstruation; Puberty.**

Adoption

- among eastern tribes 19: 493.
- among Seri Indians 17: 277* *sq.*
- among the Zuñi 47: 477 *sq.*
- confusing effect of, on pottery records 20: 19.
- customs 37: 139; 40: 321.
- customs of Omaha 27: 603.
- customs of Osage 27: 61 *sq.*, 603.
- name used after 37: 139.

Adoption—Continued

- of aliens by the Dakota 15: 214.
- of captives 36: 67; 42: 167; 45: 552.
- of children among the Eskimo 18: 290.
- of children among the Omahas 3: 265, 281.
- referred to in tales 31: 428.

Adoption Feast

- beliefs concerning 40: 361-364, 385.
- combined with gens festival 40: 357.
- combined with Mide 40: 357.
- combined with the wizard rite 40: 357.
- customs of 40: 357, 425 *sq.*, 429 *sq.*, 549.
- description of 40: 385.
- notes on 40: 483.
- result of omitting 40: 411, 425, 435.

Adornment

- by the Eskimos 9: 138, 140-149.
- ceremony of 45: 554.
- fondness for, of the Osage 43: 95.
- for ball game 42: 460, 463, 465.
- for dance at busk 42: 600.
- personal 45: 81 *sq.*, 236, 339 *sq.*
- personal, of the Eskimo 18: 44-63.
- personal, of the Omaha 27: 349-354.

See also **Dress; Decoration.**

Adrian, H., specimen presented by

40: 20.

Adultery

- among the Guiana Indians 38: § 733.
- among the Omaha 3: 364.
- attitude toward 47: 479, 963.
- Eskimo manner of regarding 18: 292.
- punishment of 40: 343; 42: 346-365, 697; 44: 218 *sq.*; 46: 482.
- Wyandot law for 1: 66.

See also **Chastity; Infidelity.**

Advancement of Tribes 46: 579 *sq.***Advances on goods to be delivered** 38: § 820.**Adventition, a source of form** 4: 445, 450.**Adventists, account of the** 14: 944.**Adverbial particles** 1: 13.

Adverbs in Indian languages 1: 10, 11, 13.

Advertising as an element of commerce 20: XLVIII; 38: § 822.

Advisors

invisible 35: 1123, 1127.

supernatural. 35: 1131.

Advocate, Cherokee. *See* **Cherokee Advocate.**

Adzes

Eskimo 18: 92.

general description of Eskimo 9: 165-172.

grooved, described 13: 70.

ivory 46: 135, 149.

"jade" 46: 88, 96.

of bone of the Eskimo 9: 168-172.

of jade of the Eskimo 9: 166 *sq.*, 170.

of steel or iron of the Eskimo 9: 165 *sq.*, 168, 171.

stone 46: 100, 134, 135, 173.

Adzes and Chisels, stone 45: 41.

Aeneas, part taken by, in Indian war 45: 368 *sq.*

Aerial

burial in canoes among the Chinooks 1: 171.

sepulchre 1: 152.

Aes, a Caddo division 14: 1092.

Aeschylus, theatrical gestures 1: 286.

Aesculus, medicinal use of 42: 658.

Affinities

in Omaha kinship 3: 255.

of fossil ivory culture 46: 174, 175.

Affinities, Eskimo

Asiatic 46: 214-227, 240, 250, 363, 365.

with Indian 46: 214, 240, 250, 259, 356 *sq.*, 361, 365.

with Paleolithic man in Europe 46: 357.

Affirmation, sign for 1: 286, 454.

Afognak 46: 184.

Afraid-of-him, Biāñk'i's vision of 14: 910.

Africa

aroko or symbolic letters used in 10: 371-374.

cowries of 10: 374 *sq.*

message of complaint for debt used in 10: 374 *sq.*

message of peace used in 10: 361.

petroglyphs in 10: 178-185.

95719°—33—4

Africa—Continued

property marks in 10: 442.

mourning ceremony in 10: 630.

scarification in 10: 417.

tattooing in 10: 415 *sq.*

water colors in 10: 633.

African

archery posture 17: 201*, 202*.

carved knife 4: 243.

physiognomy, suggestion of, in death's-head vases 20: 97.

property mark 4: 182.

Africans, brought as slaves to Porto Rico 25: 23.

After, pictographs for 10: 585.

Afterbirth

belief concerning 40: 357.

belief regarding 35: 606.

of twins 35: 678, 686.

of twins used for cauterizing 35: 694.

treatment of 35: 653 *sq.*

A'gabaí, death of 17: 340.

A'gahamoⁿthiⁿ, story of 27: 980.

Aga'ih-tika'ra. *See* **Fish-eaters.**

Â'ganstâ'ta. *See* **Morgan, Washington; Oconostota.**

Âgân-uni'tsi, myth concerning 19: 298 *sq.*, 461.

Agaricaceae 33: 61.

Agaricus 45: 483.

Agastache Anethodora 33: 113.

use of 44: 286, 340, 352, 376.

Agate

avoidance of 30: 238.

formation of 44: 507.

Agave

fiber, Seri Indian use of, in making rope 17: 228* *sq.*

fiber, use of 28: 448.

fiber, use of, for garments 14: 517.

fiber used in Tusayan 17: 629, 630.

liquor made from 14: 516.

Papago article of trade 26: 93.

preparation by Pima 26: 68.

wild, seeds used as fish poison 38: § 209.

Agave Americana Linn. *See* **Mescal.**

Agave Heteracantha 26: 142.

Agave Lechegua 26: 116.

Age

among Eskimo 46: 213-227.

importance of, among savages 22, i: xxv *sq.*

Age—Continued

- of Casa Grande 13: 299, 318.
- of Casa Grande, references to 28: 33, 105.
- of cavate lodges 13: 225.
- of mounds inferred from terrace on which they stand 12: 625.
- of ruin determined by plastering 16: 121.
- of trephined crania 16: 13, 20, 72.
- of Verde ruins 13: 209, 257.
- Omaha life in old 3: 274.
- pictograph for 10: 585 sq.
- See also Chronology.*

Age and Relationship Terms 33:
622, 623, 628.**Age of Pottery**

- in Mississippi valley 4: 371.
- Pueblo ceramic art 4: 267.

Age of Trees 12: 628.

- growing in old Fort Chartres, Illinois 12: 629.
- usual test unsatisfactory 12: 630.

Aged People

- among Pima Indians, treatment of 26: 192 sq.
- neglect of 38: §917.
- treatment of 46: 422, 443 sq., 576 sq.

See also Old People.

Agency, description of Omaha 27:
629 sq.**Agents**

- for Pima 26: 33.
- knowledge of, concerning Indians 14: 767.
- inconsiderateness of 14: 837.
- placed under military orders 14: 850.
- policy concerning 14: 828.
- replacement of 14: 845, 887.
- Sioux, Ghost-dance beyond the control of 14: 850.
- Sioux, irresponsibility 14: 833.

Agglutination in Language 1: 4.**Aggomiut Eskimo Tribe, situation and subdivisions 6: 442 sqq.****Aghual, day symbol discussed 16:**
262.**Agiak 46: 194.****Agiukchugumut**

- carriage from 18: 196.

Agiukchugumut—Continued

- implements and utensils from 18: 74, 83, 105, 141, 195.
- ornaments from 18: 58, 60, 62.
- transportation apparatus from 18: 227.

Agiukchuk 46: 193.**Aglemute or Oglemute, crania 46:**
235.**Aglío, Agustina, facsimile of Dresden codex by 6: 263–266.****Agnes, The 46: 68, 71, 73, 75.****Agoseris Villosa 45: 493.****Agosia, fish of Colorado basin 26: 83.****Agricultural Implements. *See Implements.*****Agriculture 37: 115 sqq.; 42: 691 sq.**

- aboriginal 23: xvi.
- among the Navaho 16: 87; 17: 503.
- among the Omahas 3: 302.
- among the Missouri Indians 46: 463 sq.
- ancient, in Verde Valley 13: 247.
- Antillean 25: 50–53.
- at Acoma 47: 32 sq.
- at Isleta 47: 211.
- at Zuñi 47: 474 sqq.
- claim to land based on 46: 477.
- effect of, on ceremonials 15: 255.
- effect of, on Indian population 7: 38.
- extent of practice, by Indian tribes 7: 42.
- general account of 27: 95, 269, 275, 339, 635.
- Government influence on 47: 57.
- implements 26: 88, 97 sqq.
- influence of, in Pueblo architecture 19: 640, 642 sq.
- in savagery 15: cxvi.
- machines used in 47: 33.
- magic aid for 26: 258 sq.
- methods:
 - division of labor 26: 89.
 - irrigation 26: 29, 86–89.
- need of 46: 543.
- not practiced by the Coeur d'Alène 45: 88.
- of the Caddo 14: 1094.
- of the Indians 12: 615–620.
- of the Plains tribes 46: 407.
- of the Siouan Indians 15: 170.

Agriculture—Continued

- region to which limited 7: 41.
- researches concerning 17: LI.
- Siouan Indians affected by 15: 185.
- social side of 42: 443 sq.
- southeastern culture built on 42: 2.
- white influence on 27: 614, 626.
- See also* names of chief agricultural products.

Agriculture and Horticulture, of the Zuñi 23: 350, 354.

Agricultural College, Fairbanks collections 46: 38.

Agricultural Epoch

in the West Indies 34: 56, 57 sq.

See also Tainan Culture.

Agropyron Tenerum 45: 515.

Agua Caliente Reserve

change in 18: 886.

establishment of 18: 884.

Agua Fria Valley, ruins in 28: 215 sq., 218.

Aguacateca

method of forming numerals above ten 19: 905.

number, names of 19: 862.

Aguaiauale, seaport of Culiacan 14: 385.

Aguardiente, Pima beverage 26: 62.

Aguas Buenas, specimen from 34: 217.

Aguas Calientes

examination of caves near 19: xvii.

pueblo of 14: 525.

Aguato, Aguatobi, Aguatuvi, Aguatuya, Aguatuybi, Aguitobi, Ahauato, Ahautobi, Ahautu, Ahuatuyba, Ah-wat-tenna, Awatobi synonyms 17: 594.

Aguebana, a Haitian cacique 25: 38.

Aguebana the First, a Porto Rican cacique 25: 32, 33, 35 sq.

Aguebana the Second, a Porto Rican cacique 25: 32, 36 sq., 146.

Agueynaba. *See* Aguebana.

Aguilar, Ignacio, references to 29: 263, 314.

Aguilar, Juan de, Mendoza's agent in Spain 14: 368.

Âgûnăpai'ăk, an Eskimo leader, history of 18: 305 sq.

Agutit Eskimo Tribe, situation of 6: 450, 451.

Ah, day symbol, discussed 16: 245.

Ahacus, identified with Hawikuh 14: 358.

Ahaiyuta. *See* Zuñi, *mythology of the*.

Aha'kăně'na, an Arapaho warrior order 14: 988.

Ahau

in Mayan chronology, value of 22, i: 204, 234.

symbols for, discussion of 22, i: 222 sq., 265.

symbols for, figures showing 22, i: 267.

Ahau and Lamat Symbols

compared 16: 235.

day symbol discussed 16: 262.

Ahau Symbol

discovery concerning, by Goodman 19: 702.

Goodman on 19: 717.

working table of 19: 819.

Ahbuluc-Balam, a Maya deity 16: 244.

Ahl Game, Kiowa 24: 124-127.

Ahmak, day symbol, discussed 16: 252.

Ahote

appearance of, in Palülükofñti 21: 52.

appearance of, in Powamû festival 21: 36.

description of 21: 99.

Ashiwanni, Zuñi rain priests 24: 218, 219.

Ahst

description of 17: 234* sq.

specimens of 17: 235*-238*.

Aht, division of Wakashan family 7: 129, 130.

Ah-te-es-ta. *See* Ätéstisti.

Ahtena

population 7: 55.

tribe of Copper Indians 7: 53.

Ahuba. *See* Fish-mamma.

Ahuitzotzin, Mexican emperor, pictograph for 10: 134 sq.

Ahül

advent of, in Powamû festival 21: 33 sqq.

common derivation of Ahülani and 21: 122.

Ahül—Continued

- description of, in representations of Hopi katecinas 21: 67.
 identity of, with Tawa wügtaka 21: 28, 122.
 identity of, with Wüyüyomo 21: 28.
 participation in Powamû festival by 21: 67.
 regular appearance of 21: 17.
 relation of, to the katecina clan 21: 65.
 resemblance of, to Pautiwa 21: 59.
 similarity of acts of, to those of Pautiwa 21: 26.

Ahülani

- appearance of, in Soyaluña 21: 24.
 common derivation of Ahül and 21: 122.
 connection of, with sun worship 21: 122.
 description of 21: 121, 122.
 personation of sun-god by 21: 24.
 Soyal katecina, derivation of 21: 124.
 substitution of, by Ahül 21: 122.

Ahül Katecina, substitution of, for Ahülani 21: 122.

Ahül Mask, resemblance of, to that of Wüyüyomo 21: 65.

Ahühti, derivation of Ahül and Ahülani from 21: 122.

A Hunter's Adventure, Iroquois tale 2: 88.

Aiai 33: 303, 640.

Aiâmita, genealogy of 14: 56.

Aigaluxamut dialect 4: 148, 198, 199.

Aikoka. *See* **Acoma** 8: 30.

Aiktalik 46: 186.

Ainsworth's Ranch

- reference to 28: 210.
 ruins on 28: 211.

Ainos

- inscriptions probably made by the 10: 185 sq.
 of Yazo (Yezo?) tattoo 4: 78.
 tattooing among 10: 412 sq.

Ainu

- method of forming number above ten 19: 913.
 use of vigesimal system by the 19: 925.

Air

- beliefs respecting 11: 522.
 walking on 32: 340.

Ais

- language of 42: 678.
 reference to dress of 42: 681.

Aitken, Robert, article by 34: 171.

Aitken, Mrs. Robert. *See* **Freire-Marreco, Miss Barbara**.

Aivilik, Eskimo 46: 230.

Aivillirmiut Eskimo Tribe, situation of 6: 440 sqq.

Aiwahokwi, identity of 21: 26.

Aiwakokwe Clan, same as Asa clan 19: 610.

Aiyâhokwi, the descendants of the Asa at Zuñi 8: 30.

Aiyal

- correction concerning 14: 1111.
See also **Yowaluch, Louis**.

Aiyan, *Ai-yan*.

- hand game of the 24: 272.
 population 7: 55.

Aiyâpâ'tâ'a'

a nephew of mortals 40: 364, 365, 366.

brother of the culture hero 40: 376.
 legend concerning 40: 364-369.

names for, in various tribes 40: 376.

the god of the dead 40: 359.
See also **Īyâpâ'tâ'a'**.

Ak, phonetic value of 16: 223.

Akab, definition of 16: 261.

Akal'man, number names of 19: 874.

Aka'nilni, the supernatural couriers 5: 411-414, 415, 417, 424, 426, 466.

Akansa, or Quapaw tribe 7: 113.
See also **Arkansa**.

Akawai Indians

- amativeness, expressions of 30: 163 sq.
 binas 30: 284, 285.
 burial customs 30: 154 sq., 156, 158.
 hunting customs 30: 294.
 legends of, on creation 30: 142, 145, 199, 262.
 natal customs 30: 319, 320.
 ordeals of 30: 278, 281, 339.
 revenge 30: 354 sq., 358, 360, 361.

Akawoio. *See* **Akawai**.

Akbal symbol in Maya calendar 16: 221.

- Ak'chikchû'gûk**, Eskimo legend of 18: 499-504.
- Akerman, Benjamin**, mound on farm of, in Georgia 12: 312.
- Akhiok** 46: 186.
- Akiak** 46: 192.
- Ākita Dance**
a woman's dance 42: 528.
description of 42: 528.
mention of 42: 524.
- Akitan** 46: 123.
- Akkeewaysee**, Ojibwa treaty signer 14: 28.
- Āko**, native name for Acoma 14: 575.
- Akokaiobi or Acoma**.
home of Asa clan 19: 610.
settlement of 19: 589.
- Akokisa**, status of the 14: 1093.
- Akoklako**, or Lower Kutenai 7: 85.
- Akol**. *See* Red People.
- Akómë**, native name for the people of Acoma 14: 575.
- Aktayatci Clan**, story concerning 42: 109.
- Ākwinemi**
genealogy of 14: 46, 48.
mythic origin of name 14: 218.
- Akuliarmiut Eskimo Tribe**, situation of 6: 421.
- Akutchin**, ancient Pima settlement 28: 36.
- Akûtcîny**, Pima village 26: 20, 22.
- Ala Clan**
mythic origin of 19: 590 *sq.*
relations of, with Teûa 19: 588 *sq.*
- Ala Group**
Ala clans of 19: 583.
Leñya clans of 19: 583.
- Ala-Leñya (Horn Flute) Clan**
advent of, at Walpi 19: 585 *sq.*, 590-594.
ceremony of advent of, at Walpi 19: 591 *sq.*
- Ala Societies**, probable origin of 19: 626.
- Alabama**
alleged error in survey of Cherokee boundary 5: 211.
allocation of clans in beds at 42: 201-204.
arrangement of square ground of 42: 225, 263, 264.
Barbour County, ancient remains in 12: 289.
- Alabama—Continued**
Blount County, burial cave in 12: 286.
celts from 13: 74, 75, 77, 80, 82.
chipped flints from 13: 144-149.
chisels from 13: 84.
Clarke County, Fort Mauvilla, supposed site of 12: 289.
collection from 30: 22.
Coosa River mound and house, remains near 12: 287.
discoidal stones from 13: 103, 105, 109.
distribution of stone art in 13: 60.
Elmore County, antiquities of 12: 286 *sqq.*
explorations in 5: xxii; 11: xxix; 12: 283-292.
fabric-impressed pottery from 13: 39.
flakes from 13: 174.
house at, for ceremonial objects 42: 186.
in Texas, union of, with Cherokee 19: 143.
Iroquoian ware said to have been found in 20: 105, 171.
Jefferson County, mounds in 12: 290, 291.
Lauderdale County, antiquities of 12: 283 *sqq.*
Marshall County, shell heap in 12: 285.
Montgomery County, mounds in 12: 289.
mortars from, described 13: 97.
mullers from 13: 93.
notched axe-form objects from 13: 71.
occurrence of stamped ware in 20: 122.
paint-stones from 13: 115.
plan of ceremonial ground of 42: 225, 265.
pipes of 20: 99.
population of 42: 150.
portion of beds at 42: 198.
pottery from 4: 395, 396, 431, 434; 20: 37, 38, 39, 105-108.
production of gold in 19: 220, 221.
removal forts in 19: 221.
sketch of bed in square ground of 42: 186 *sq.*

Alabama—Continued

- spades from 13: 135.
- stemless perforators from 13: 165, 166.
- stemless scrapers from 13: 170.
- stemmed flints from 13: 151-159, 161 *sqq.*
- stemmed perforators from 13: 167, 168.
- Sumter County, Cedar Hummock group 12: 286.
- Talladega County, site of Creek settlement in 12: 290.
- town emblem of 42: 244.
- Upper Creek Red town 42: 125, 255.

Alabama Anthropological Society,
sites investigated by 48: 3.**Alabama Indian**

- belief of, in future life 42: 513.
- belief of, in supreme deity 42: 482.
- burial customs of 42: 397, 398.
- ceremony of the 42: 544 *sq.*, 601 *sq.*
- clan affiliations of 42: 149-153.
- clan councils of 42: 125.
- clans of, furnishing chiefs and henihas 42: 193, 194.
- clans, phratries and moieties of 42: 159 *sq.*
- creation, beliefs of 42: 487.
- customs of 42: 700.
- dances of, description of 42: 524-534.
- election of chiefs of 42: 285.
- facial painting of 42: 524 *sq.*, 686.
- ghost story of 42: 511 *sq.*
- greetings of 42: 450.
- habitations of 42: 173 *sq.*
- hair dressing of 42: 684.
- Horned Snake known to 42: 494.
- hunting beliefs of 42: 445.
- hunting customs of 42: 444 *sq.*
- informants among 42: 32.
- list of dances of 42: 524.
- marriage customs of 42: 370, 375.
- medicines of 42: 663-666.
- mention of 42: 36.
- migration across the Mississippi 19: 99.
- mourning customs of 42: 379.
- name of, for deity 42: 482.
- of Muskogean stock 42: 482.
- origin myth of 42: 52.

Alabama Indian—Continued

- part of, join the Choctaw 42: 45.
 - part of, repair to Mobile 42: 45.
 - personal names of 42: 100.
 - punishment among, for adultery 42: 348.
 - relations of, with Hilibi 42: 568.
 - Sabia known to 42: 498.
 - tales by, of supernatural beings 42: 498.
 - terms of, for months 42: 402.
 - town emblem of 42: 244.
 - tribe of Creek confederacy 19: 498 *sq.*
 - union of, with Muskogee 42: 45, 48.
 - use of cassine by 42: 542.
 - war customs 42: 425.
 - war names abandoned by 42: 100.
 - wars of, with the Choctaw 42: 425 *sq.*
 - wars of, with the Muskogee 42: 42 *sqq.*
 - witchcraft among 42: 634.
- Alabama Land Cessions and Reservations** 18: 676.
- Alabama River,** pottery of 20: 107 *sq.*
- Alabaster,** reference to 29: 579.
- Alachua,** trail near 42: 829.
- Alagüilac,** number names of 19: 867, 928.
- Ä'läho**
attempt to identify 17: 300.
Kiowa hostility to 17: 300.
- Alakanuk** 46: 199.
- Alamito,** work at 17: xli.
- Alanant-o-wamiowee,** an ancient trail 42: 788.
- Alarcon, D. de,** confusion of, with Alcaraz 14: 501.
- Alarcon, Hernando de**
Colorado River discovered by 14: 403, 574.
Coronado's fears for 14: 555.
expedition by sea, under 14: 385, 478.
exploration by 19: 53.
Estevan's death reported to 14: 360.
message of, found by Diaz 14: 407, 486.
quoted on Indian customs 9: 491, 494, 511.

- Alarcon, Hernando de**—Continued
 quoted on Indian sacred cords 9: 555.
 route of 28: 186, 208.
- Alaric's Burial** 1: 181.
- Alarm, signs for** 1: 529, 538.
- Alaska**
 archæology of 46: 33, 148, 149, 165.
 carved poles in 26: 411.
 cave burial in 1: 129.
 cession of, to United States 46: 127.
 Eskimo of 46: 227.
 explorations by E. W. Nelson 18: 19 *sqq.*
 field work in 20: IX, XI; 21: IX, XII; 22, i: XIV; 23: IX.
 home of Tlingit Indians 26: 396.
 inland, Eskimo of 46: 361.
 investigations in 41: 49, 63.
 officials of, aid by 46: 31.
 origin of Eskimo in 46: 330, 340-347, 356.
 peopling of 46: 81.
 reports on explorations in 46: 128.
 route for migrations from Asia 46: 29.
- Alaska Commercial Company, of San Francisco**
 acknowledgments to 18: 19 *sqq.*
 ivory pictographs 4: 191-194.
 labrets collected by 3: 87-92.
 labrets and masks collected by 3: 106, 202 *passim.*
 masks collected by 3: 24.
 tattooing 4: 66-73.
- Alaska Peninsula**
 crania 46: 235.
 old sites 46: 184, 186, 187, 188.
- Alaska, Southwestern**
 crania 46: 257, 259, 262, 263, 265.
 facial 46: 266.
 nose 46: 268, 270.
- Alaska, Western**
 anthropology of 46: 181.
 archæology of 46: 181.
 Coast Pilots 46: 179.
 crania, coast 46: 364.
 early maps of 46: 176 *sqq.*
 geographic dictionary of 46: 178, 181.
- Alaska-Yukon-Pacific Exposition**
 mention of 30: 14, 16, 20.
 reference to 28: 101.
- Alaskan-Arctic** geographic district, features of 18: 23 *sq.*
- Alaskan Indians**
 biographic records of 10: 581 *sq.*
 dialogue between 1: 492.
 grave posts of 10: 520 *sq.*
 illustration of ornamentation by 6: 199.
 mummies of 1: 134, 135.
 mythic drawings on ivory by 10: 476 *sq.*
 notices of condition by 10: 350-353.
 notices of direction by 10: 333 *sq.*
 notices of hunt by 10: 332 *sq.*
 petroglyphs of 10: 47.
 pictographic records of customs of 10: 541 *sq.*
 pictographs of 4: 59, 147-150, 152-155, 161, 191-194, 197 *sqq.*, 214.
 shamanism of 10: 497-500.
 shaman's lodge of 10: 507 *sq.*
 signal of discovery by 10: 645.
 tattooing of 10: 402-405.
 votive offerings to the dead by 10: 519.
- Alba Marginata**, Pima medicinal plant 26: 80.
- Albaicin**, similarity of, with Hawikuh 14: 564.
- Albamos.** *See* Alabama.
- Albany, Ill.**, pottery from 4: 430; 20: 192.
- Albany, treaty of** 18: 658.
- Albemarle**
 settlement at 18: 624.
See also Pamlico-Albemarle.
- Albinism**, at Isleta 47: 245.
- Albinos**
 among the Pima Indians 26: 185.
 not medicine men among the Apache 9: 460.
- Albion County, Nebraska**, reference to 27: 99.
- Albizu, Tomas de**, Zuñi attacked by 13: 328.
- Albuquerque**, influence of, on Isleta 47: 207 *sq.*
- Alcaraz, Diego de**
 attack on Seri (?) by 17: 54 *sq.*
 death of 14: 533.

- Alcaraz, Diego de**—Continued
 incompetence of 14: 502.
 lieutenant of Diaz 14: 485, 501.
- Alcedo, Antonio de**
 on Acoma 29: 543, 545.
 on Galisteo 29: 482.
 on Pojoaque 29: 334.
 on Quivira 29: 566.
 on San Cristobal 29: 486.
 on Santa Ana 29: 521.
 on Taos 29: 182.
 on Tesuque 29: 387.
- Alchemy, stepping-stone to science**
 19: 825 *sq.*
- Alcoholism** 46: 42, 51, 133, 362.
- Al-chuch-haab, the calendar wheel of**
 3: 53, 60.
- Alden, E. H.**, on scaffold burial 1: 161.
- Alder**
 bark, Eskimo paint made from 18: 198.
 bark used for dyeing 30: 80.
 leaves 35: 589.
 tree 35: 57.
 use of 44: 286, 369.
 wood, as fuel for drying berries 35: 273.
See also **Alnus Incana.**
- Alder, Red**
 use of 45: 501.
 used in basketry 41: 145.
- Alder, Speckled, medicinal use of** 43: 265.
- Alder, White, use of** 45: 503.
- Alectoria Jubata** 45: 482.
- Alegre, Francisco Javier**
 cited on Indian remedies 9: 472.
 cited on ceremonial scratching among the Indians 9: 492.
 on Escalante's expedition 17: 61.
 on Jemez 29: 402.
 on naming Pima children 26: 188.
 on the plague (cholera) 26: 43.
 on Parilla's "extermination" 17: 73 *sq.*
 on Seri habitat and tribal divisions 17: 78.
 on Seri navigation 17: 61.
- Alejandre, Marcelo, on Huastecan numeral system** 19: 894.
- Aleman, Juan, inhabitant of Mexico** 14: 495.
- Alencaster, Joaquin del Real**
 on Cochiti 29: 439.
 on Gyusiwa 29: 394.
 on Isleta 29: 529, 530.
 on Laguna 29: 541.
 on Pecos 29: 476, 477.
 on Picuris 29: 193.
 on Sandia 29: 526, 527.
 on Sia 29: 518, 519.
- Aleut Bay, B. C.**
 Indians of 46: 32.
 physical type of 46: 33.
- Aleutian Islands** 46: 177, 238, 361.
 embalment in 1: 135, 136.
 kayaks used on 18: 220.
 work in 46: 32.
- Aleutian Islanders**
 belong to Eskimauan family 7: 73.
 population of 7: 75.
- Aleuts**
 burial among 3: 139.
 crania of 46: 122, 364.
 different from Eskimo 46: 238.
 extension of 46: 184.
 masks of, described 3: 137-142.
 slaves under the Russians 3: 137.
 use of labrets among 3: 87-92.
- Alexander, James**
 acknowledgments to 11: 369, 423.
 cited on symbolic colors 11: 533.
 on Winnebago gentes 15: 241.
- Alexander, J. B.**, agent for Pima 26: 34.
- Alexander, J. B.**
 mound on land of, North Carolina 12: 349.
 mounds on farm of 5: 74.
- Alexander, J. E.**
 cited 30: 239.
 legend of Hariwali and the wonderful tree 30: 120.
- Alexander, J. S.**, mound on farm of 44: 452.
- Alexander, N. L.**, mention of 42: 333.
- Alexander County, Ill.**, occurrence of salt-making vessels in 20: 28.
- Alexander Mound**
 collection from 42: 19.
 mention of 44: 452 *sq.*
 pipes from 42: 19.
- Alexandria, La.**, burial mounds in vicinity of 44: 409.

Alexandria County (Va.), steatite quarries in 15: 131.

Alexeres, uncertain meaning of 14: 507.

Alfara, Anastasio, gold ornaments from Costa Rica donated by 10: XXII.

Algeria, petroglyphs in, at Tyout and Moghar 10: 178 *sq.*

Algonkian

culture area, features of 42: 713.
linguistic stock 42: 19.
tribes, habitat of 42: 713.

Algonkian Tribes of Virginia and Carolina

cultural features of 42: 713 *sq.*
customs of 42: 694, 696, 698, 702, 709.

descent among 42: 696.

See also **Carolina; Virginia.**

Algonkin

family 4: 118.

games of the 24:

dice games 49.

hand game 273.

stick games 229.

habitat in 1634 14: 15.

petroglyph 4: 20, 224 *sq.*, 227.

tribe 4: 108.

Algonkin Language

conjunctive mode 28: 272.

description of 28: 261 *sq.*, 264-269.

examples in comparison with 28:

Cheyenne 233.

Cree 243 *sqq.*, 250 *sqq.*, 259, 260, 261, 262, 272.

Cree-Montagnais 259.

Delaware 243, 244, 261.

Fox 244, 245, 252, 259, 260, 261, 262, 273.

Kickapoo 259.

Menomini 243, 244, 245, 250, 251, 259, 261, 262, 271.

Micmac 272.

Montagnais 272.

Natick 233, 243, 244, 250, 251, 271, 273.

Ojibwa 243, 244, 245, 250, 251, 252, 261, 262, 271, 272, 273.

Ottawa 233, 245, 250, 251, 252, 259, 260, 261, 262, 271, 272, 273.

Passamaquoddy 243, 273.

Peoria 233, 245, 250, 251, 252, 260, 261, 262, 271, 272, 273.

Algonkin Language—Continued

examples in comparison with 28—
continued

Potawatomi 259, 262, 271.

Sauk 259.

Shawnee 243, 244, 245, 251, 252, 256, 259, 261, 262, 271, 272, 273.

indicative mode 28: 273.

pronunciation of 28: 226 *sqq.*

relationship 28: 238, 244, 289, 289a.

subjunctive mode 28: 260.

Algonquian

bibliography 10: xx *sq.*

burial fires of 1: 198.

characters 4: 250.

creation myths, work on 20: xxi.

god of Winter 32: 61.

influence of, on western migration of
Siouan stock 19: 1043.

legends of New England 4: 190.

myth 1: 27.

region, occurrence of Iroquoian pottery in 20: 168.

types of art 15: 16.

Algonquian Dialects

of Nova Scotia and Cape Breton
21: xi, xxiv.

work on 20: xi, xx *sq.*

Algonquian Family 7: 47-51.

habitat of certain western tribes of
7: 113.

list of tribes of 7: 48.

population of 7: 48.

Algonquian Indians

colors of war and peace of 10: 631.

declaration of war by 10: 358.

emblems of 10: 377.

field work among 22, i: xii.

grave posts of 10: 517 *sq.*

hair dressing of 10: 755.

insignia of military rank of 10: 258.

invitation sticks of 10: 364 *sq.*

military drill of 10: 258.

mourning color of 10: 629.

petroglyphs by 10: 106, 109 *sq.*,
111, 112.

petroglyphs of 10: 676-680.

pictographic notice of departure and
return by 10: 330.

record of battle by 10: 554 *sq.*

record of victory by 10: 557 *sq.*

researches among 41: 58, 84.

tribal designation of 10: 378 *sq.*

wampum belts of 10: 228 *sq.*

work in classification of 18: XLVI.

Algonquian Languages

- bibliography of 11: xxxiv.
- character of 15: LXXXIII.
- comparative vocabulary of 21: xi, xxiv.
- influence of, on geographic nomenclature 19: 1115.
- pronunciation of 28: 226 *sq.*
- study of 15: xxxix; 16: LXXIV; 19: xxv.
- summary of linguistic investigations in 28: 225 *sq.*
- work in 17: LIII; 18: xxviii, XLII.

Algonquian Myths 19: 437, 451.**Algonquian Names** for rabbit and dawn 19: 233.**Algonquian Peoples**

- connection of—
 - with Middle Mississippi Valley pottery 20: 81.
 - with northwestern pottery 20: 195.
 - with shore pottery 20: 160.
 - with south Atlantic pottery 20: 131, 142.
- inclosure of Iroquois by 20: 159.
- possible influence of, on Canadian pottery 20: 170 *sq.*

Algonquian Pipes

- character of 20: 140.
- distribution of 20: 173.

Algonquian Pottery

- division and distribution of 20: 21, 144 *sq.*, 147, 165.
- occurrence of, Lake Huron region 20: 171.
- pottery resemblance, South Appalachian province 20: 133.
- simplicity of form of 20: 162.
- tempering of 20: 161.
- See also* 20: 145–158, *Middle Atlantic Coast pottery*; 20: 175–179, *New Jersey, New England pottery*; 20: 182–186, *Ohio Valley pottery*; 20: 186–201, *Northwestern pottery*.

Algonquian Stock

- games of the 24:
 - ball juggling 712.
 - double ball 647.
 - hand game 273.
 - racket 562.
 - ring and pin 528.
 - snow-snake 400.
 - stick games 227.

Algonquian Stock—Continued

- morphological studies of languages of 24: xxiii.

tribes of the 24:

- Abnaki 571, 708.
- Algonkin 49, 229.
- Amalecite 49.
- Arapaho 50, 268, 384, 400, 441, 445, 529, 617, 705, 730, 733, 751.
- Blackfeet 56, 269, 443, 734.
- Cheyenne 58, 269, 384, 400, 445, 446, 530, 563, 619, 649, 705, 734, 758.
- Chippewa 61–68, 229, 340, 401 *sq.*, 404, 405, 446, 533, 562, 563, 564–567, 568, 611, 620, 650, 734, 791.
- Cree 68, 230, 270, 342, 403, 535, 652, 734, 791.
- Delawares 69, 342, 446, 537, 567.
- Gros Ventres 70, 270, 384, 404, 447, 537, 621, 706, 734, 751.
- Illinois 72, 230, 781.
- Kickapoo 72.
- Massachusset 73, 230, 698.
- Menomini 73, 343, 404, 567, 622, 653.
- Miami 231, 344, 569, 708.
- Micmac 74, 698, 722, 792.
- Missisauga 80, 344, 405, 538, 569, 653, 803.
- Montagnais 384, 538, 708.
- Narraganset 80, 231, 699.
- Nasapee 539, 712.
- Nipissing 81, 344, 540, 570.
- Norridgewock 81, 231, 406, 735.
- Ottawa 82, 344.
- Passamaquoddy 82, 406, 540, 570 *sq.*, 792.
- Penobscot 84, 406, 541, 571.
- Piegan 84, 231, 271, 447.
- Potawatomi 85, 385.
- Powhatan 232, 622, 699.
- Sauk and Foxes 85, 232, 345, 407, 448, 542, 622, 735, 758, 762.
- Shawnee 573.
- Tobique 50.

- tribes, study of 19: xvii *sq.*, xxix.

Algonquian Texts 24: xx, xxxii; 25: xix.**Algonquian Tribes**, Linguistic classification.

- linguistic major divisions 28: 229.
- memoir on 28: 22, 221.

- Algonquian Vocabulary:** 23: xxxvi.
work on 22, i: xxxii.
- Algood, Tenn.,** trails of 42: 833, 835.
- Aliatan**
a synonym of the Comanche 14: 1043.
identification of the 17: 166 sq.
- Alibamans,** aquatic burial of suicides by 1: 180.
- Alibamo**
a stockaded town 42: 438.
fortress of 12: 650.
- Alibamos.** *See* Alabama.
- Alibamu**
habitat and population 7: 95.
researches among 28: 12; 30: 18.
- Aliche,** a Caddo division 14: 1092.
- Alien**
residents, influence of, on Pueblo architecture 19: 649 sq.
Seri antipathy for 17: 131* sq., 154* sq.
- Alindja**
information supplied by 42: 65, 67, 546.
legend repeated by 42: 64.
- Alismaceae** 33: 65.
- Alium Cernuum** 45: 481.
- Alium Stellatum** 45: 481.
- Alive,** sign for 1: 421.
- Alkali Grass,** used in basketry 41: 145.
- Alkali Soil,** references to 14: 586.
- Alkin',** Natchez women among Cherokee 19: 388.
- Allamakee County, Iowa,** mounds 5: 26.
- All Bones.** *See* Kâ'lahû'.
- All Saints' Day,** observance of 47: 290.
- Allegan** or **Akegwi,** identical with Cherokee 5: 137.
- Allegheny Reserve**
establishment of 18: 660.
recession to Seneca of 18: 776.
sale of 18: 770.
- Allegheny River**
origin of name of 19: 18.
pictographs on 4: 20, 21.
- Allegheny Valley,** character of pottery of 20: 183.
- Allegory,** development of 19: LXXXIX-XC.
- Allen, Miss A. J.,** on burial sacrifice 1: 189.
- Allen, H. H.,** on Korean myths 19: 447.
- Allen, H. T.** 46: 124, 128.
- Allen, Dr. Harrison** 1: 208, 225, 238, 245.
on conventionalized forms 4: 244.
- Allen, J. A.**
on American bison in Piedmont area 19: 1043.
on former range of buffalo 15: 173.
- Allen, Jim** 46: 31, 105, 106, 112, 172, 181, 206.
- Allen, Walter,** a Ponka commissioner 15: 192.
- Allen County, Ky.,** mounds and graves in 44: 488, 491.
- Allen Settlement, Pa.,** vessel from 20: 166.
- Alleyway,** Hawikuh 8: 81.
- Alliances**
of the Pima Indians 26: 200.
of the Winnebago 37: 58 sq.
- Alligator**
association of, with disease 42: 647.
beliefs concerning 30: 369.
dangers from, in rivers of New Galicia 14: 539.
effigy of, in Santa Rita mound 19: 680, 684.
hunting of 38: § 217.
legends concerning 30: 135, 212.
myths concerning 19: 459.
pottery, figured 38: § 96.
rain due to 30: 267.
representation of, in Gulf Coast pottery 20: 110.
scale headbands 38: § 530.
teeth as talismans 30: 289 sq., 298.
town emblems of Tukabahchee 42: 243.
used as food 42: 693.
utilization of, in Chiriquian art 6: 130-140, 166, 173-176, 178, 180, 183.
- Alligator Clan**
native names for 42: 115.
reasons for associations of 42: 145.
story concerning 42: 108.
- Alligator Creek,** archeological sites at 48: 3.
- Alligator Dance**
description of 42: 530.
mention of 42: 524.

- "Alligator" Mound** 2: 158.
- Alligator Stools**, nature of 30: 135, 192, 250.
- Allionia Nyctaginea** 33: 78.
use of 44: 286, 362.
- Allis, Samuel**, on Kickapoo prayer-stick 14: 697.
- Allison, Thomas**, Pima interpreter 26: 18.
- Allison, William**, a Kiowa trader 17: 283, 313.
- Allium Acuminatum** 45: 482.
- Allium Mutabile** 33: 71.
- Allium Stellatum**, use of 44: 286, 340, 377.
- Allium Tricoccum**, use of 44: 286, 346.
- Alloc**, mentioned 44: 35.
- Allotted Lands**, tenure of 18: 643.
- Allotment**. *See* **Lands**.
- Allotment Act of 1887**
effect on Indian reservations of 18: 641 *sq.*
in severalty, regulation by act of Congress of 18: 642.
in severalty, schedule of treaties and acts of Congress authorizing 18: 645 *sqq.*
- Allouez, Père Claude**
on Maskotin use of wild rice 19: 1054.
on Rabbit-rock myth 14: 117.
- All-over Designs** 41: 233, 240, 271 *sqq.*
- All-together**, sign for 1: 523.
- Allyn, Robert**, assists in exploration 12: 181.
- Almacabala**
modern vestiges of 19: 847-851.
stepping stone to modern science 19: 825 *sq.*
- Almagro**, struggles of, in Peru against Pizarro 14: 376.
- Almaguer, Antonio de**, secretary in New Spain 14: 598.
- Almanac**, Cherokee, establishment of 19: 112.
- Almidez Cherino, Pero**, royal veedor for New Spain 14: 596, 598.
- Almirantazgo**, island of 14: 545.
- Almogen** used by Navahos in blanching silver 2: 175.
- Almotu**, a Pälus village 14: 735.
- Almy, John**, circular works on land of, New York 12: 510.
- Alnus Incana**
medicinal constituents of 44: 303.
medicinal properties of 44: 299.
use of 44: 286, 346, 358, 360, 369.
- Alnus Oregona** 45: 501.
- Alnus Rhombifolia** 45: 503.
- Alnus Rubra** 45: 483.
- Alo Mana**
derivation of 21: 125.
description of 21: 108, 109.
- Aloam Mountain** in Pima mythology 26: 242.
- Aloe, Mexican**, use of, for clothing by Pueblo Indians 14: 569.
- Alona** identified with Halona 13: 327.
- Alone Man**, Catch-the-Bear killed by 14: 857.
- Alonso, Manuel A.**, on Porto Rican folklore 25: 20.
- Alosaka**
derivation of 21: 125.
description of 21: 121.
Hopi germ-god 21: 121.
idols in Awatobi shrine 17: 619.
Patuñ germ-god 19: 595 *sq.*
See also **Muyiñwû**.
- Alphabet**
Siouan 11: 363; 15: 208.
syllabic, used by Winnebago 37: 47.
Tsimshian 31: 42.
used for Cherokee words 19: 506.
used in record of Hako ceremony 22, ii: 16.
used in spelling Hopi names 21: 126.
used in writing Eskimo names 18: 22.
See also **Syllabary**.
- Alphabets** 4: 13.
- Alsea Indians**
amount of wild rice harvested by the 19: 1076.
habitat of 7: 134.
land cessions and reservations 18: 812, 814, 838, 878, 948.
linguistic work among the 24: xxii.
paper on 40: 17.

Alsea Language

- grammatical sketch of, by Dr. Leo Frachtenberg 36: 22; 37: 18.
work on, by Dr. Leo Frachtenberg 34: 21.

Alsek River, Tlingit clans near mouth of 26: 413.**Alta California**, on Pima and Maricopa 26: 31.**Altamira, Mexico**

- antiquities at 26: xv, xvi.
founded by Escandron 25: 278.
ruins 25: 276.
stone idols 25: 278 *sqq.*

Altar Mounds 5: 57, 58.**Altar Stones**

- reference to 42: 709.
St. Kitts 34: 160.

Altars

- absence of, at Cipaulovi 16: 277.
absence of, in buffalo dance 21: 30.
absence of, in Pamürti 21: 26.
absence of, in Tawa Paholawû 21: 31.
absence of, in winter Lakone Paholawû 21: 39.
antelope, erection of 47: 72.
appearance of, in Hopi festivals 21: 57.
appearance of, in house of the Patki clan 21: 29.
appearance of, in representations of Hopi kateinas 21: 28.
appearance of, in Soyaluña 21: 25.
caciques 47: 41 *sq.*, 44.
clay, occurrence of, in eastern United States 20: 36 *sq.*
conformity of, to direction of kiva 8: 116.
described 41: 505.
design of, in meal 47: 296.
for Horned Serpent ceremony 47: 301.
for rain ceremony 47: 330 *sq.*
in Hopi ceremonies 15: 261, 267, 270.
in house circle 41: 592.
in House of the Mysteries 41: 568 *sq.*
of corn group 47: 280.
of curing society, description of 47: 48.
of Laguna Fathers 47: 311.
of medicine societies 47: 109, 279 *sq.*, 491, 529.

Altars—Continued

- of moieties 47: 280.
of religious fraternities, study of 19: XLVI-XLIX, L *sqq.*
of the Pekwîn 47: 659.
of Zuñi priesthood, description of 47: 514.
old, disposal of 47: 129.
special wood used for 47: 129.
time for erection of 16: 277.
used among the Sia 11: 104.
See also Antelope Altar; Snake Altar.

Altars and altar mounds not necessarily places of sacrifice 12: 606.**Al-ta-tin**, population 7: 55.**Alton, Illinois**

- flint near 44: 532 *sq.*
petroglyphs near 10: 80.
Telegraph, on salt vessels 20: 31.

Altpeter Mounds

- form of 37: 100.
location of 37: 99.
number of 37: 100.

Alubiri

- legends concerning 30: 119, 120, 142.
See also Abori; Haburi; Harawali; Oruperi.

Alum-root

- use of 44: 289, 290.
See also Heuchera; Heuchera Hispida.

Alvarado, Cipriano, assistance rendered by 41: 85.**Alvarado, Hernando de**

- appointment of 14: 477.
Coronado protected by, at Cibola 14: 483.
expedition of, to Rio Grande 14: LVII, 390, 490, 575.
on Acoma 29: 543.
Pecos chiefs imprisoned by 14: 493.
report of discoveries by 14: 594.
visit of, at Acoma 47: 23, 24.
visit of, to Braba 14: 511.
wounded by Indians 14: 557.
Zuñi ruins visited by 13: 344.

Alvarado, Pedro de

- arguments before Council of the Indies 14: 372.

Alvarado, Pedro de—Continued

- arrival of, in New Spain 14: 408.
- death of, at Nochistlan 14: 410.
- efforts of, to provide wives for the colonists 14: 374.
- expedition of, to Peru 14: 474.
- failure of expedition to Peru 14: 352.
- feats of 14: 540.
- lieutenant of Cortes, conqueror of Guatemala 14: 352.
- unites with Mendoza for exploration 14: 353.

Alvarez, Ruperto, aid rendered by 17: XLII, 14.**Alvemar-Leon, Arturo**

- acknowledgments to 17: 13.
- portrait of 17: 13.
- services rendered by 16: LXIII.

Alveolar Angle, Eskimo 46: 284.**Alvord, Captain**

- on Kiowa character 17: 235.
- on the Kiowa Apache in 1872 17: 252.
- report of, on the Kiowa 17: 193, 195.

Amado, Lucero, reference to 29: 251.**Ama'ala'**

- a supernatural being supporting the world 31: 453.
- story of 31: 116-121.

Amalicate Indians

- birch-bark notice of trip by 10: 334 sqq.
- dice games of the 24: 49 sq.
- tribal emblem of 10: 379.

Amalivaca, legends concerning 30: 119, 136, 149 sq.**Amen, Max**, interview with 44: 60 sq.**Amaranthus**

- bread colored by 30: 74, 87.
- cheeks colored by 30: 83.
- used as food 30: 67.
- used in ceremonies 30: 87.

Amatepeque, revolt in, quelled by Coronado 14: 380.**Amativeness**, expression of 30: 163 sq.**Amazon Indian**

- decorative body painting by the 10: 620.
- mode of drilling 13: 165.

Amazons

- explanation of myth 30: 365 sq.
- legends concerning 30: 222, 335, 363, 364 sqq.

Ambrosetti, idol figured by 25: 141.**Ambrosia Eliator** 33: 132.**Ambrosial Pleasures** 19: LIX sq.**Ambush**, use of, by the Spaniards 14: 500.**Amecos**, a Trinidad nation 34: 64.**Amelanchier Alnifolia** 33: 87; 45: 462, 471, 485, 487, 488, 489, 490, 496, 510.**Amelanchier Canadensis**, use of 44: 286, 307, 344, 356, 358.**Amelia County (Va.)**, steatite quarry in 15: 107, 132.**America**

- aboriginal pottery of 20: 19-201.
- as a field for study of art 4: 443.
- characterization of paper on aboriginal pottery of 20: xxvi sq.
- indicated by customs, migrations to and in 3: 146-151.
- North, petroglyphs in 10: 37-140.
- origin of Eskimo in 46: 330, 340-347, 356.
- peopling of 46: 29.
- peopling of, from Asia 46: 175.
- peopling of, through Alaska 46: 181.

American

- aborigines equally divided in culture stages 21: xxii.
- Indian belief of origin of the 14: 721.
- Indian regard for the 14: 676.
- influence on Pima 26: 98.
- relations with Maricopa 26: 31 sq.
- relations with Pima 26: 30-34.
- Tewa names for 29: 573.
- traders' dealings with the Pima 26: 94.

American Anthropologist

- article on maple sugar in 20: 33.
- paper in, cited 24: 213.
- paper on American pottery in 20: 15.
- paper on evolution of ornament in 20: 64.
- reference to 19: 632.

American Antiquarian Society on Mayan inscriptions 19: 700.

- American Antiquities**, preservation of 27: 10.
- American Association for the Advancement of Science**, paper on Vermont pottery in *Proceedings of* 20: 169.
- American Blood** among the Cherokee 19: 83.
- American Board of Commissioners for Foreign Missions**, work of, among the Cherokee 19: 104 *sq.*, 136.
- American Cultures**, affinities, origin 46: 175.
- American Elm** 33: 75.
- American Emigrant Company**, negotiations for neutral lands 5: 349.
- American Explorations**, Yukon 46: 128.
- American Fur Company**
dependence of, on wild rice 19: 1103 *sq.*
traders of the 46: 621.
- American Horse**
a Dakota chief 15: 190.
acknowledgments to 14: 655.
delegate to Washington 14: 891.
emissary to Bad-land's refugees 14: 867.
ghost dance council held by 14: 820.
Kicking Bear's surrender effected by 14: 868.
on the Sioux outbreak 14: 839, 843.
on Wounded Knee massacre 14: 869, 885.
winter count of 10: 269.
See also Păbôte.
- American Horse Chart**
or Winter count 4: 95, 129-146.
See also Corbusier Winter Counts.
- American Indian Games** 25: xx.
- American Indian Mission Association**, grant of land to 18: 794.
- American Indians**, *Handbook of* 25: x, xvii, xix, xx.
- American Languages**, *Handbook of* 25: x, xix *sq.*
- American Museum**, elbow stones in 34: 205 *sq.*
- American Museum of Natural History**
acknowledgments to 6: 409; 20: 16; 37: 48.
archaeologic explorations by 28: 18.
figured specimens from 6: 472, 517.
mention of 46: 166, 229, 235, 255.
on Mayan inscriptions 19: 700.
permit granted 27: 11.
reference to 41: 223.
- American Naturalist**
on tattooing 4: 76.
paper on Vermont pottery in 20: 169.
on pottery 4: 276.
- American Race**, achievements of, illustrated 25: xiii.
- American State Papers**, cited 12: 695.
- Ames, Oliver**, petitions for Casa Grande repair 15: cii.
- Amethyst**, beads of 44: 104.
- Amherst, Ohio**, rock carvings at 4: 21.
- Amiantis Shells**, manufacture of beads from 2: 226.
- Â'mîna**
in Pima song 26: 332.
medicinal use of 26: 265, 266.
- Amitstci**, four-stick game of the 24: 333.
- Ammunition**, lack of, in New Spain 14: 540.
- Amohave** in Yuma-Pima battle 26: 47.
- Amorpha Canescens** 33: 93.
- Amorpha Fruticosa** 33: 93.
- Amphora** from caves in the Nantacks 22, i: 189.
- Amputation**
practice of 46: 427 *sq.*
practiced by the Chippewa 44: 333, 334.
- Amsterdam, Fort.** *See* Fort Amsterdam.
- Amsterdam, Va.**, trail passing 42: 760.
- Â'mû Â'kimûlt.** *See* Salt River.
- Amulets**
appearance of, in Hopi kachinas 21: 101.
ancient weapons and implements used as 9: 438, 439.

Amulets—Continued

- as idols 25: 196.
- from Guadeloupe 34: 136.
- in Connell collection 34: 165.
- mention of 34: 113 *sqq.*, 233 *sq.*
- of the Apache 9: 587–591.
- of the Caddo described 14: 904.
- of dried bees 9: 440.
- of the Eskimo 11: 201; 13: 115; 18: 434–441.
- of the Eskimo, how carried 9: 434.
- of the Menomini 14: 74.
- of the Northern Indians 11: 275.
- of seal skin for catching fowls 9: 439.
- parts of various animals 9: 437 *sq.*, 441.
- pottery, Florida peninsula 20: 128.
- reindeer antler 9: 436.
- shell 25: 193.
- stones 9: 437.
- twin 25: 201.
- use of 11: 515.
- wearing in savagery 16: 21.
- whales of glass, wood, and stone 9: 435 *sq.*

Zuñi use of 2: 44.

See also **Stone Amulets**.

Amusements

- account of Omaha 27: 363–370.
- of the Assiniboin 15: 225.
- of the Eskimo 11: 254.
- of the Northern Indians 11: 320.
- of the Omahas 3:
 - cards 341.
 - children's 341.
 - diving 341.
 - hitting the stone 339.
 - plumstone shooting 334.
 - shooting at the rolling wheel 335.
 - stick and ring 337.
 - stick counting 338.
 - women's ball game 338.
- of the Siouan tribes 15: 174.
- of the Tsimshian 31: 409.

See also **Games**.

Aña, derivation of 21: 125.

Anabali Indians, burial customs of 30: 159.

Anacaona, wife of Caonabo 25: 59, 81.

Anacapa Island, visit of Ferrel to 14: 412.

Anacardiaceae 33: 99.

Anacostia, D. C.

- aboriginal village on site of 20: 156.
- pottery from 20: 156 *sq.*
- quartzite blades from 15: 79.
- rhyolite implements from 15: 89.
- steatite pipe from 15: 133.

See also **District of Columbia**.

Anacostia Valley, archeology of 15: 69.

Anadarko

- a Caddo division 14: 1092.
- customs of 42: 702.
- fight at 17: 204.
- Kiowa council at 14: 913.
- removal of Kiowa agency to 17: 218.
- threatened attack on 17: 204.

See also **Nadako**.

Ánahoho of Zuñi mythology 13: 414.

Áñakatsina, ceremony of the Hopi 15: 264, 294, 303.

Áña Katsina Manas, ceremonial grinding of meal by 21: 49.

Analysis

- of Picuris songs 43: 399–425.
- of the life form in art 4: 244.

Anaphalis Margaitacea 45: 465.

use of 44: 282, 362.

Anaphrodisiacs. *See* **Love Charms**.

Anasagunticook, location of 43: 170.

Anawita

- chief of Pitka, mention of 19: 597.
- Hopi Rain-cloud clan chief, reference to 19: 579.

Mesauwûh personified by 15: 263.

on advent of clans at Walpi 19: 585.

traditional information given by 17: 595.

Tusayan tradition by 13: 188.

Anba-Hebe cited on tradition of the pipes 3: 222.

Ancestor Worship

- absence of 11: 371.
- at Sikyatki 17: 732.
- by the Hopi 15: 251.
- in Snake-dance 19: 965 *sq.*, 1008.
- nature of 47: 510.
- Omaha attitude toward 27: 601.
- terms indicative of 11: 368.

- Ancestors**
offerings to 47: 509, 621.
Zuñi cult of the 47: 509 *sqq.*
- Anchor** 35: 511.
- Anchor Stones** 35: 180.
- Anchorage**, town of 46: 36.
- Ancient**
art in the province of Chiriqui 6: 13-187.
burial customs of barbaric tribes 1: 152.
cemetery of Abiquiu 1: 111.
nations, tree burials of 1: 165, 166.
- Ancient-bodied**, a female man-being in Iroquoian cosmology 21: 228.
- Ancient Clan Masks**
description of 21: 109-112.
ownership of 21: 109.
- Ancient People**, Tewa name for 29: 573.
- Ancient Pottery** of the Mississippi Valley 4: 361-436.
- Ancient Pueblos**, pottery of the 4: 257-360.
- Ancientism** defined 1: 33, 39.
- Ancients**
curious mourning observances of 1: 165, 166.
Hopi, personification of 21: 16.
See also **Ancestor Worship**; **Ancestors**; **Katcinas**.
- Ancients, The**
references to 28: 42.
See also **Ancestor**; **Hohokam**; **Inhabitants**.
- Ancon, Peru**
absence of trephined crania at 16: 13.
examples of ornamentation from graves at 6: 212, 230, 231, 236, 243, 248.
- Andaggyjunkquagh**, sale of land by 18: 596.
- Andaman Islanders**
head decoration by 10: 621.
head decoration of 10: 222.
tattooing of 10: 418.
- Anderson, C. M.** 46: 100.
- Anderson, Peter**, Pueblo ruins on farm of 22, i: 173.
- Anderson, Robert**, remains on farm of (Arkansas) 12: 228.
- Anderson, W. G.**, opened Wisconsin mounds 5: 16.
- Anderson and Stewart**, cited 6: 458, 459.
- Anderson River**, clothing from 18: 39.
- Anderson Township, Ohio**, mounds 5: 47, 48,
- Andiron, Shumopavi** 8: 176.
- Andrade, Eduardo J.**, acknowledgment to 22, i: XII.
- Andrade, Francisco**, campaign against Seri by 17: 88-93.
- Andree, Dr. Richard**, criticism on pictographs by 4: 14 *sq.*
- Andreivsky**
festival observed at 18: 361 *sqq.*
implements from 18: 121 *sq.*
legends from 18: 485 *sq.*, 488 *sqq.*, 490-494.
visited by E. W. Nelson 18: 19.
- Andrew, Father**, stories about 47: 206.
- Andrew, Tarascon**, remains in Pueblo country 14: 592.
- Andrews, E. B.**
finds copper articles smooth and even as if from rolled sheet 12: 711.
remarks regarding use of fire in burial ceremonies 12: 567, 678.
- Andrews, Frank**, flint on land of 44: 538.
- Andrews, Miss Harriet A.**
assistance of 36: 20; 38: 15.
mention of 31: 32.
work of 29: 22.
- Andropogon Furcatus**
use of 44: 286, 342, 348.
use for making arrows for toy bows 33: 68.
- Anecdote** from Du Tertre 34: 222.
- A'neglakya**, legend of 30: 46.
- A'neglakyatsi'tsa**, legend of 30: 46.
- Anemone** 33: 82.
- Anemone Canadensis** 33: 82.
- Anemone Cylindrica** 33: 82.
- Anemone Multifida** 45: 474, 513.
- Anemone Occidentalis** 45: 459, 466.
- Angel, Don**, notes obtained from 48: 8.
- Angel, Silas**, mounds on land of 12: 559.
- Angel de la Guardia**
island of 14: 554.
island, occupied by Yuman tribes 7: 138.

Angeles, location, duration, and size of 17: 69 *sqq.*

Angelica, medicinal use of 42: 657.

Angell, Henry N.

in Sioux outbreak 14: 863.

steatite quarry on land of 15: 107.

Anger

bodily attitude as a sign of 20: CXLII *sq.*

expressed by ants worrying a corpse 38: § 841.

how indicated 30: 300 *sq.*

sign for 1: 301.

signal for 1: 529.

Angle-stem 33: 132.

Angles

Eskimo, facial 46: 285.

Eskimo, mandibular 46: 305.

in design, interpretation of 41: 313 *sqq.*

Anglo-Saxon use of stone axes 13: 63.

Angola, myths of 19: 441 *sq.*, 446, 447, 450, 452, 453.

Angópte, data concerning 17: 146.

Āngū'n, a Tlingit town 26: 397, 412.

Anian, Straits of. *See* **Straits of Anian.**

Ani'-Kitu'whagi. *See* **Kitu'whagi.**

Ani'-Ku'sa. *See* **Creeks.**

Anilukhtapak, Aninulykhtyk-Pak 46: 127, 129, 130, 131.

Animakee Waba, Ojibwa treaty signer 14: 28.

Animal Carvings studied 3: XVIII.

Animal Dances 45: 387 *sq.*

list of 42: 523 *sq.*

performance of 42: 610.

Animal Effigies

clay, Casa Grande 28: 134 *sq.*

finding in Pueblo ruins 22, i: 109.

in mounds at Santa Rita 19: 678-685.

Animal Features as decoration 41: 539.

Animal Fetishes. *See* **Mythology.**

Animal Figures

on knife handles, affinities of 46: 175.

on Pueblo pottery 22, i: 71, 72, 145, 153, 154.

substances used in art 15: 21.

Animal Figures—Continued

unknown in Chesapeake stone art 15: 96.

See also **Bird Stones; Frog; Heads; Monkey; Peccary; Reptiles; Shark; Squirrel; Turtle.**

Animal Food

cooking of 45: 94 *sq.*

of Tennessee Indians 41: 555, 607-711.

Animal Forms

and designs, Apalachee-Ohio pottery 20: 180.

eastern U. S. pottery 20: 40, 41, 62, 63, 65, 66, 67.

eastern U. S. pottery, significance of 20: 100.

Florida peninsula pottery 20: 118.

Gulf Coast pottery 20: 106-112, 113 *sq.*

Gulf Coast pottery, possible source of 20: 105.

in designs on basketry 41: 379 *sqq.*, 382, 429 *sq.*

Iroquoian pottery, rarity of 20: 162.

Iroquoian pipes 20: 174.

Lower Mississippi Valley pottery 20: 104.

Middle Atlantic Coast pottery 20: 156.

Middle Atlantic Coast pottery, rarity of 20: 145, 151.

Middle Mississippi Valley pottery 20: 85 *sq.*, 87, 88, 90 *sq.*, 92-98, 99.

Northwestern pottery 20: 198.

Ohio Valley pottery 20: 185.

South Appalachian pottery 20: 137, 138, 140, 141.

Southern and Northern pottery 20: 145, 187.

See also **Bird; Life; Man; Plant; Shell.**

Animal Gods

influence 30: 40.

See also **Animal Worship.**

Animal Life

myths 11: 31, 146, 425.

of the Upper Missouri 46: 410 *sqq.*

of the Ungava district 11: 174.

societies, organization of 11: 69.

Animal Spirits propitiated by dances 42: 549.

Animal Substances

- articles of, from Wolpi 2: 396.
- articles of, from Zuñi 2: 373.
- collection of objects of 3: 437, 467, 485.

Animal Symbols

- Eskimo 18: 450.
- use of 46: 412.

Animal, Wild, meeting of 31: 106, 723, 728.**Animal Worship**

- defined 15: 179.
- of the Zuñi 2: 11.
- See also* **Animal Gods.**

Animals

- ability to talk attributed to 42: 489.
- appealed to by warriors 39: 58.
- as fetishes 47: 277 *sq.*
- as human beings 30: 199-227.
- as supernaturals 47: 343.
- association of, with diseases 42: 638.
- attributes, transfer to human beings 30: 292, 297.
- belief concerning 46: 487.
- binas from 30: 284 *sq.*, 288.
- carvings, article upon, discussed 2: xx.
- chiefly used for food 27: 271.
- chiefs and tribes of 19: 231, 261-266, 445-448.
- control of 30: 340 *sq.*
- creation of 30: 148.
- custom regarding killing of 46: 412.
- derivation of man from 30: 143 *sq.*
- designs 31: 54, 55, 56.
- destruction of skeletal remains by 46: 363.
- dogs named for 30: 307.
- domestic, trephined 16: 16.
- domesticated by the Pima 26: 84 *sqq.*
- domestication of 42: 694.
- Eskimo account of creation of 18: 455.
- Eskimo belief in dual existence of 18: 394 *sq.*, 425.
- extinct, at Big Bone Lick 42: 742, 790, 791.
- extinct, at Saltville 42: 752.
- figures showing 22, i: 67, 68, 133.
- food of Pima 26: 80-83.
- forms in pottery 4: 383-392.

Animals—Continued

- forms of pottery from Pueblo ruins, features of 22, i: 66-69, 133.
- four symbolic, Wi'-gi-e of 39: 245.
- game, belief regarding hearing of 35: 637.
- how divided among Omaha hunters 3: 300.
- hunted for meat and skin 45: 96 *sq.*
- in Osage legend 27: 63.
- in Pima mythology 26: 214, 247.
- in Tlingit calendar 26: 426.
- Kanaima as 30: 356.
- known to Omaha 27: 103 *sq.*
- list of species of 22, i: 110.
- list of, used for food 46: 583.
- magic power of, Pima 26: 250.
- memoir on, carvings from mounds of the Mississippi Valley 2: 117-166.
- men changed to 30: 60.
- men changed to, legends of 30: 184, 201.
- men transformed into 40: 37, 63, 117.
- method of slaughtering 37: 113.
- mounds 2: 152.
- mounds in Wisconsin 4: 61.
- mythic, of the Eskimo 18: 394.
- mythological classification of 37: 186.
- myths concerning 19: 239, 243, 250 *sqq.*, 280 and *passim.*
- of the Point Barrow region, Alaska. 9: 55-59.
- of the Pueblo region 14: 518.
- of Seriland 17: 36-39.
- omens from 30: 274-277.
- place in nature 27: 357 *sq.*, 511-516, 518, 533, 588 *sq.*, 599 *sqq.*
- plants associated with 30: 37, 38, 40.
- plants used as food by 45: 514.
- power of transformation of 37: 197.
- pregnant, taboo for food 30: 297.
- remains from Pueblo ruins, collection of 22, i: 26, 164.
- should not be scolded 31: 445.
- skins of, for symbolic use 39: 46.
- smoke offering to skins of 39: 243-248.
- some, not eaten 31: 501 *sq.*

Animals—Continued

- source of Tlingit names 26: 421, 422.
 spirits of, as guardians of the penalties 39: 44.
 spirits of 30: 153, 174 *sq.*, 199.
 spirits of, propitiation of 30: 197.
 spirits of, transformed to man 30: 199.
 supernatural 31: 272, 459 *sq.*; 42: 497 *sq.*
 taboo among Iowa Indians 11: 426.
 taboo among the Omaha 11: 412.
 taken by Coronado for food supply 14: 553.
 trails made by 42: 735, 741, 788.
 treatment of 45: 291.
See also Bear; Livestock; and principal animals under their respective names.

Animas Valley 4: 315.

Animism

- among the northern Indians 11: 273.
 among the Siouan peoples 11: 431, 514.
 and folklore of the Guiana Indians, memoir on 30: 26 *sqq.*, 103–386.
 discussion of 11: XLV, 520.
 introduced, tales 30: 371–379.
 significance of 21: 15.

Anise, Wild 33: 113.

Ani'-Tsa' lăgǵ', Ani'-Yûñ' wiyă'
See Tsa' lăgǵ', Yûñ' wiyă'.

Aniyak 46: 204, 205.

Anklets

- appearance of, in representations of Hopi kateinas 21: 68.
 cotton 38: § 552.

Anko

- acknowledgments to 17: 147.
 meaning of name of 17: 145.

Anko Calendar

- beginning of 17: 313.
 description of 17: 144, 145.
 period covered by 17: 143.
 whereabouts of 17: 146.

Anko Monthly Calendar 17: 373–379.

Ankwanti

- appearance of Hahai wügti in 21: 68.

Ankwanti—Continued

- appearance of Wupamau in 21: 91, 92.

See also Palülüköñti.

Annals, Pima. *See* History of Pima.

Annamite Tradition concerning tattooing 10: 413.

Annapolis, operations near 13: XXVI.

Annenraes, captivity of 43: 456.

Announcement Days of the Hopi elaborate festivals 21: 20.

Annual Buffalo Hunt. *See* Buffalo Hunt.

Annuities

- apportionment of 19: 106, 138, 177.
 Cherokee 19: 81, 85, 129.
 Cheyenne and Arapaho, grant of 17: 184 *sqq.*
 distribution of 46: 473.
 Kiowa, grant of 17: 173.
 Kiowa, recommendation to withhold 17: 194.
 paid to Creeks, distribution of 42: 317 *sq.*
 withholding of 19: 138.

Annular Doorway 8: 182, 193.

Annulet used in Tusayan ceremony 16: 281.

Anogogmut

- implements and utensils from 18: 69, 74, 96 *sq.*, 147, 148, 151, 169.
 ornaments from 18: 60, 61.
 tobacco implements from 18: 273, 275, 279.
 transportation apparatus from 18: 226.

Anogok 46: 193.

Anointing

- of body 14: 1037; 38: § 511.
 of visitors 38: § 809.

Anos-anyotskano, Kichai name of the Arapaho 14: 953.

Ánosin Téhuli of Zuñi mythology 13: 381.

Anote

- ceremony led by 21: 69.
 Citoto helmet kept in house of 21: 95.
 East Mesa Natacka masks of Tobacco clan kept by 21: 70.

Aⁿpa^skă, mystery decoration of 11: 398.

Ānq la'kitān (a Tlingit clan)

history of 26: 412.

names of 26: 421.

phratry and tribe of 26: 399.

Anselmo, Lupi, mention of 47: 351.**Anskowí'nīs**, a Cheyenne division
14: 1026.**Ānsogíāni**a Kiowa *taime* guardian 17: 241.

death of 17: 328.

Ānosot'e. *See* **Ānsogíāni**.**Ant**bed, burnt as protection against
mosquitoes 38: § 933.

binas from 30: 285.

bites of, treatment for 30: 44.

bites of, used in ordeals 30: 280,
281, 308 *sqq.*, 339 *sq.*; 38: § 162,
739, 745, 746, 884.

diseases caused by 30: 40.

eaten 38: § 225.

expression of anger 38: § 841.

in Pima legend 28: 49, 50.

in Pima mythology 26: 214, 247.

legends concerning 30: 211, 263,
344.

myths concerning 11: 104; 19: 452.

omen from 30: 275, 277.

origin of 30: 129.

societies, organization of 11: 69.

story about 43: 355 *sqq.**See also* **Termite**.**Ant Bear**

giant anteater 38: § 166.

claws used for whistle 38: § 569.

Ant Diseases, symptoms of 42: 648.**Ant-eater**

claw used for whistle 38: § 569.

legends of 30: 220 *sq.*, 225.

nature of 30: 369.

used as food 30: 297.

Ant Fraternity

medicine of 30: 61.

wormwood used by 30: 42.

See also **Hä'lo'kwe**.**Ant Society**

in scalp dance ceremonies 47: 687.

mention of 47: 528.

A'ntcgaltsu, a Tlingit town 26: 397,
412.**"Antelope,"** steamer, reference to
27: 87.**Antelope Altar**

at Cipaulovi 16: 278.

at Cuñopavi 16: 287.

Antelope Altar

at Mishongnovi 19: 966-969.

Antelope Altar—Continued

at Oraibi 16: 290.

at Walpi 19: 980.

characteristics of 19: 968.

erection of, for initiation 47: 72.

feather deposited on 16: 284.

of Tusayan, discussed 16: 299.

time for preparation of 16: 275, 386.

Antelope Chief, performances of 16:
277, 284.**Antelope Clan**

cacique selected from 47: 38, 41.

size of 47: 35.

See also **Tcubio Clan**.**Antelope Dance**

at Cipaulovi 16: 277, 281.

at Oraibi 16: 292.

Antelope Drives among the Kiowa
17: 288.**Antelope Driveway**, description of
17: 309.**Antelope Heads** at Oraibi altar 16:
291, 307.**Antelope Katsinas**, association of,
with Kwewû 21: 103.**Antelope Priests**

and Snake-dances 19: 973-976.

costume of 16: 282.

in Cuñopavi Snake-dance 16: 288.

in Walpi Snake-dance 19: 984 *sq.*part played by, in Antelope and Snake
dances 19: 974 *sq.*

performances of, at Oraibi 16: 292.

same as Tcübwimpkia 19: 623 *sq.*

why so called 16: 306.

Antelope-Snake Ceremony of the
Hopi 15: 262**Antelope Society**

census of 19: 625.

kiva of, at Mishongnovi 19: 966.

Antelope Valley. *See* **Jeditch**
Valley.**Antelopes**

hunting of 27: 271, 275; 46: 535.

in Pima mythology 26: 217.

myths concerning 11: 52, 64; 19:
451.Pueblo implements made from bones
of, described 22, i: 94, 95.

signs for 1: 410.

Antennae in pictures of Hopi katei-
nas 21: 81.

- Antennaria**, species of, used medicinally 42: 668.
- Antennaria Microphylla** 45: 466.
- Antennaria Rosea** 45: 464.
- Antennaria sp.** 45: 458, 464, 492.
- Anthony, Rev. Albert Seqaqkind**
information furnished by 24: 446.
on dice games, Delawares 24: 70.
on ring and pin, Delawares 24: 537.
- Anthropic Worship and Ritual.**
See A'shiwi, history myth of the; Gods, rabbit hunt with the; Ki'wi-tsiwe, and their functions; Ko'loo-wisi, coming of; Ko'tikili, voluntary initiation into.
- Anthropologic Archeology** 1: 73, 74.
data, limitation of use of 1: 73-86.
ethnic characteristics 1: 76, 77.
history, customs 1: 76, 77.
language 1: 78-81.
morphology 1: 81, 82.
origin of man 1: 77, 78.
picture writing 1: 75.
psychology 1: 83, 86.
sociology 1: 83.
- Anthropological Institute of New York**, pictographs published by 10: 106.
- Anthropological Society of Washington**
cited 4: 17.
turtlebacks discussed before 15: 30.
- Anthropology**
classification of 16: XLVI, L, LIII, LIX, LXI.
defined 15: XVIII.
development of 16: XVI.
- Anthropology, Physical**
Western Eskimo, notes on 46: 213-228, 228-250.
Yukon 46: 149.
- Anthropometamorphosis** of John Bulwer quoted 3: 77.
- Anthropometry**
St. Lawrence Island 46: 30, 238, 251, 252.
Tanana 46: 44.
Western Eskimo 46: 228, 283 sq., 250.
Yukon 46: 150.
- Anthropomorphism**, defined 11: 520.
- Antiche**
Coweta chief 42: 34.
name interpreted 42: 34.
- Anticosti Island**, reference to 28: 290.
- Antidotes**, plants used as 44: 328.
See also Poison.
- Antigua, Mexico.**
modern name of Villa Rica de la Vera Cruz 25: 232, 243 sq.
ruins near 26: xv.
- Antillean**
peoples, probable connection of, with Florida pottery 20: 115.
wood-carving designs, resemblance of stamp designs to 20: 123.
- Antilleans** 25:
agriculture 50-53.
areitos 210.
art 142, 152.
bone carving 192 sq.
culture 215 sqq.
divination 63.
food 48 sqq.
games 84 sq.
houses 41-47, 84.
hunting and fishing 48 sqq.
language 76 sqq., 216.
mortuary customs 58, 213 sq.
music 210.
myths 72-76.
narcotics 63 sq.
origin 215-220.
physical characteristics 28-31, 144, 145, 213.
religion 53 sq., 130.
rites and ceremonies 64-72.
sacrifices to gods 49.
shell carving 192 sq.
tobacco 63 sq.
totems 59.
voyages 207 sq.
weapons 35.
See also Arawak; Borinquenios; Carib; Cubans; Haitians; etc.
- Antilles.** *See Greater Antilles; Lower Antilles.*
- Antilocapra Americana Mexicana**, eaten by Pima 26: 81.
- Antimony Mines**, reputed aboriginal work in 15: 116.
- Antiquities**
absence of 46: 413, 414.

Antiquities—Continued

- movable, or relics and remains 12: 28.
- of the Menomini 14: 36-39.
- of southern Indians, Jones quoted on 4: 22 sq., 46.
- preservation of 29: 20.
- Antiquities, Aboriginal American, Handbook of** 40: 17.
- Antiquities of U. S., preservation of** 28: 10, 17 sq.
- Antiquity**
 - of coiled ware and whiteware, relative 4: 358 sq.
 - of cremation 1: 143.
 - of Eskimo 46: 169, 181, 238.
 - of gesture language 1: 285.
 - of human remains in Florida 27: 10 sq.
 - of man 25: 220.
 - of man in America 24: XII.
 - of man in Alaska 46: 362.
 - of man, study bearing on 44: 13 sq.
 - of remains, Little Diomedes 46: 95.
 - of trephining 16: 13, 20, 72.
 - of Yukon Indians 46: 83.
- Antiseptics, use of** 30: 41, 42, 46.
- Antler**
 - condition of objects of 44: 106.
 - objects of 45: 42 sq.
 - used in stone-flaking 15: 61, 111.*See also Deer-antler.*
- Anton, aid rendered by** 17: XLII, 14.
- Antone, an Alabama chief** 42: 193.
- Antonia, Maria, information from** 13: xxxiv.
- Antonio Azul, Pima chief** 28: 34.
- Antonio, Chief.** *See Antonio Azul.*
- Antonio de Ciudad Roderigo, Franciscan provincial in Mexico** 14: 354.
- Antonio de Santa Maria, Franciscan friar** 14: 474.
- Antonio Victoria, Friar, leg of, broken** 14: 482.
- Anu, Hopi clan, reference to** 19: 583.
- Anúngite, description of** 11: 473.
- Anvik** 46: 136, 142, 149, 151, 177.
 - discovery of 46: 127.
 - Eskimoid features at 46: 56, 59.
 - influenza at 46: 133.
 - lecture at 46: 59.
 - Mission school at 46: 56.

Anvik—Continued

- people of 46: 57.
- population of 46: 130, 131, 132, 134.
- sickness at 46: 56.
- stability of village 46: 59.
- stop at 46: 56.

Anvik River

- explorations by E. W. Nelson on 18: 20.

- fish in 46: 60.
- remains in 46: 56.

Anvil Stones, observed 15: xxxiii.

- Añwuci, personification of, in Teivato kiva** 21: 30.

Anwücnaco taka, derivation of 21: 125.

- Añya, dance of Añya Katcinas at Walpi called** 21: 45.

Añya Katcina

- appearance of, in dramatization of growth of corn 21: 93.
- appearance of, in picture of the Nakopan hoyá 21: 117.
- dance of, in Palülüköñti 21: 50.
- introduction of, by Patki 21: 45.
- probable derivation of, from Patki clans 21: 94.
- public dance of, in Walpi plaza 21: 54.
- resemblance of, to Zuñi Kokokci 21: 94.

Añya Katcina Manas, description of 21: 93, 94.

- Añya Katcina Masks, resemblance of, to Hokyaña** 21: 94.

Añya Manas

- resemblance of masks of, to those of Sio manas 21: 24.
- similarity of masks of, to those of Soyal manas 21: 24.

Anza, governor of New Mexico, reference to 19: 611.

- Anza, Lt. Col. Juan Bautista de, visit of, to Casa Grande** 28: 57.

Anza Expedition, extract from accounts of 44: 46 sqq.**Apache**

- absence of Ghost-dance among the 14: 805.
- arrow-chipping of, 13: 138, 140.
- arrow making of the 14: 275, 279.
- as enemies of the Pima 26: 30, 165.
- as slaves 26: 197.

Apache—Continued

- attacks by, a probable cause of abandonment of pueblos 22, i: 20.
- baskets used by 28: 147.
- basketry, collection of 22, i: xxxix.
- character of 26: 26.
- chungke game among the 13: 99.
- creation myth of 26: 239.
- depredation in Tusayan 17: 585.
- disease caused by 26: 265.
- earth and sky in mythology of 26: 239.
- effect of, on Pueblo tribes 13: 260.
- Eskimoid features among 46: 82.
- games of the 24:
 - archery 383.
 - bull-roarer 750.
 - hoop and pole 420, 422, 449-457.
 - stick dice 88 sq.
- gourmandism among the 14: 287.
- habitat of 7: 54.
- hair of 26: 265, 325.
- hostility of immigrants 26: 31, 32.
- illustrations of ornamentation by 6: 198, 213, 223.
- in Chichilticale country 13: 296.
- in fights with Confederates 26: 48.
- in fights with Maricopa 26: 50.
- influence of, on Hopi removal from old Walpi 19: 580.
- in Ghost-dance 14: 653, 802, 805, 898.
- in Pima flood legend 28: 51.
- in Pima mythology 26: 213 sqq., 229, 366-389.
- in Pima song 26: 335, 336.
- in Pima tales 26: 242, 244 sqq., 249, 250.
- in Pima war speeches 26: 353-362.
- inroads upon Tusayan by the 8: 25, 26, 35.
- intermarriage 26: 186 sq.
- Kiowa early warfare with 14: 1079.
- land cessions and reservations 18: 788, 822, 830, 838, 846, 854, 860, 864, 876, 878, 880, 882 sqq., 888, 890, 922, 944.
- late appearance of, at Tusayan 17: 581.
- lustration ceremonies of 26: 204.
- medicine men of the 14: 704.
- memoir on medicine-men of, by J. G. Bourke 9: 433-603.
- mescal prized by 26: 70.

Apache—Continued

- murder party of, by scalp hunters 19: 209.
- observations among the 26: xix sq.
- occupancy of Verde ruins 17: 550, 565, 570.
- on Patki migrations 19: 597.
- on Tusayan migrations 19: 626.
- pictographs 28: 197, 201.
- pictographs connected with signs 1: 372.
- pictographs in Verde Valley 17: 550, 556, 567, 568.
- population 7: 56; 26: 196.
- racing among 19: 209.
- raids 26: 38-66.
- raids of, on Sobaipuri, etc. 19: 598.
- references to 28: 34, 44, 56, 58, 61, 70, 195, 217.
- refusal of, to accept Äpiatañ's report 14: 914.
- smoke signals of the 1: 538.
- Southern Cibola, exposure of, to 8: 96.
- stone arrow-points among the 14: 283, 284.
- stone-flaking by the 13: 173.
- stone implements of the 14: 256.
- study of the 16: xxiii, xxviii; 19: xxiii.
- symbolic colors of 11: 532.
- treatment of gonorrhoea by 26: 80.
- tribal signs for 1: 459.
- use of bullroarer by 14: 975.
- weapons of 26: 96.
- See also Apache Indian.*
- Apache, Chiricahua**
 - games of the 24:
 - archery 385.
 - hoop and pole 429, 449.
- Apache, Jicarilla**
 - games of the 24:
 - hidden ball 345.
 - hoop and pole 449.
 - running races 806.
 - genesis myth of the 24: 345.
 - See also Jicarilla Apache.*
- Apache, Mescalero**
 - games of the 24:
 - hoop and pole 449 sq.
 - running races 803 sq.

Apache, San Carlos

- games of the 24:
 - dice games 86.
 - hoop and pole 450.

Apache, White Mountain

- games of the 24:
 - cat's cradle 762 *sq.*
 - dice games 87-91.
 - hoop and pole 450-457.

Apache Indian

- charms and amulets of 10: 502 *sq.*
- color scheme of 29: 42.
- drawings of, compared with German sketches 10: 740.
- hair dressing of women of 10: 755.
- izze-cloth or medicine cord of 10: 225.
- names for 29: 573-576.
- references to 29: 259, 480, 536.
- time records of 10: 258 *sq.*
- visit of, to Washington 34: 28.
- See also Apache.*

Apache John. *See* Goñk'oñ.**Apache Katcinas** among the Hopis 21: 17.**Apache-Navaho**, Hawikuh destroyed by 13: 329.**Apaches of Arkansas River**

- of the plains, Kiowa Apache synonyms 17: 245.
- picture records of 17: 142.

Apalache Bay, explored by Narvaez 14: 346.**Apalachee**

- application of name to Muskogean Indians 20: 130.
- dispersion of 42: 48.
- enslavement of 19: 232.
- fighting methods of 42: 440.
- mention of 42: 324.
- of Muskogean stock 42: 678.
- Seminole treated as, by Milfort 42: 47.

Apalachee-Ohio Province, pottery from 20: 180 *sqq.***Apalaches**, supposed by Gallatin to be Yuchi 7: 126.**Apalachi Tribe** 7: 95.**Apalachicola**

- a town of refuge 42: 252 *sq.*
- alliance of, with the Creeks 42: 39.
- allocation of clans in beds at 42: 201-204.
- arrangement of square ground of 42: 226, 270, 271.

Apalachicola—Continued

- busk held at 42: 585.
- clan councils of 42: 126.
- clans of, furnishing chiefs and henihas 42: 193, 194.
- clans, phratries and moieties of 42: 160.
- Lower Creek White town 42: 126, 254.
- position of beds at 42: 198.
- united with Kasihta 42: 38.

Apalachicola Region

- pottery from 20: 110 *sqq.*
- recent collections from 20: 125.

Apalachucla, ancient town of, described 12: 655.**Apalāi Indians**

- ordeals of 30: 310, 314, 315.
- sickness of 30: 346, 350.

Ä'pāmā'dalte, death of 17: 319.**A'p-anēka'ra**, Comanche name of Ghost-dance 14: 791.**Apangasse**, land cessions and reservations 18: 780.**A'pap.** *See* Red People.**Áp'ātáte.** *See* Wóifdóish.**Apatite, White**, references to 29: 580, 584.**Ape**

- day symbol discussed 16: 259.
- definition of 16: 262.
- in Iroquoian cosmology 21: 214.

Ä'peñ-gúādal

- in Washita council of 1872 17: 190.
- surrender of 17: 211.

Aphasia, gestures in 1: 276.**Aphoosa Pheeskaw**

- identification of 42: 39.
- Kasihta name of river 42: 37.

Aphrodisiacs. *See* Love Charms.**Apiaceae** 33: 107.**Äpiatañ**

- delegate to the Messiah 17: 221, 360, 375, 376.
- delegate to Washington 17: 225.
- journey of, to the Sioux 14: 908.
- Kiowa delegate to Wovoka 14: 903, 911, 913.
- medal presented to 14: 914.
- portrait of 14: 912.
- pretender to Kiowa leadership 17: 219.
- result of interview of 14: 911.
- report of Messiah visit of 14: 913.

- Äpiatañ**—Continued
report on Messiah doctrine by 14: 900.
- Apingi Burial** 1: 125, 126.
- Apios Apios**, a sacred food plant 39: 129.
- A'pi'tläshiwanni**=*Bow priesthood*.
See Esoteric Fraternities.
- Apkhun Pass** 46: 127.
- Aplache**
foot-cast-ball game of the 24: 712.
land cessions and reservations 18: 780.
- Apocynum**
Indian use of, in weaving 13: 23.
use of 44: 286, 340.
See also Dogbane.
- Apocynum Androsaemifolium**
medicinal constituents of 44: 303.
medicinal properties of 44: 300.
mention of 45: 497.
use of 44: 286, 336, 338, 340, 356, 360, 376.
See also Dogbane.
- Apocynum Cannabinum**, mention of 45: 470, 498.
- Apodanthera Undulata Gray** raised by Pima 26: 91.
- Apokak** 46: 191.
- Apoon Pass** 46: 195.
- Apoosaguntacook**
mention of 43: 170.
original form and meaning of the name 43: 173.
- Apostolicos Afanes**. *See Ortega, José.*
- Apotheosis**, belief in 11: 425.
- Ápoyan tächu** of Zuñi mythology 13: 379.
- Appalachian**
burial mounds of 12: 574.
characteristics of 12: 573, 585.
district, archeology of 12: 573 *sqq.*
engraved shells of 12: 575.
limits of, district 12: 573.
mound district and mounds 5: 10, 61-86.
pipes of, district 12: 573.
southern trails of 42: 771-775.
stone graves of 12: 575.
See also Apalachee; Apalachee, Ohio; South Appalachian.
- Appalachian Mountains**, ancient home of the Omaha 27: 35.
- Appalachicola**. *See Seminole, Apalachicola Band.*
- Apparel**. *See Clothing.*
- Apparitions** 11: 497.
- Appe**. *See Ape.*
- Appearing Wolf**. *See Guibadái.*
- Apperson, Judge R.**, gift from, to Peabody Museum. 42: 786.
- Applause**, signs for 1: 300.
- Applegate**, —, ethnologic specimens collected by 18: 346.
- Appleton's Cyclopedia of American Biography**
by Rev. David Brainerd 19: 217.
on Chief McGillivray 19: 210.
on Col. Benjamin Hawkins 19: 212.
on Col. R. J. Meigs 19: 212.
on General Robertson 19: 205.
on John Ross 19: 114.
on Nancy Ward 19: 204.
on St. Clair's defeat 19: 212.
on Wayne's victory 19: 213.
- Application, Practical**, of sign language 1: 346.
- Appointment**, records of 10: 257 *sq.*
- Appomattox River**, quarry shop sites on 15: 72.
- Approbation**, sign for 1: 286.
- Appropriation** and expenditures for 1886-1887 8: xxxvi.
- Appropriation for American Ethnology** 34: 7; 36: 9; 37: 1; 39: 9; 40: 1; 42: 1; 43: 1; 44: 1; 47: 1.
- Appropriation of Funds**, change in 16: LXI.
- Appun, C. F.**, sculptured rock described by 10: 147 *sq.*
- Aprons**
bark 38: § 547.
bead 38: § 78, 549.
cloth, cotton 38: § 548.
miscellaneous 38: § 550.
use of 45: 69 *sq.*
worn by young girls 42: 683.
- A'pūkī**. *See Red People.*
- Apúya**. *See Snow Houses, of Eskimo.*
- Aqa'thině'na**, an Arapaho division 14: 957.
- Aqkiwäsi**, genealogy of 14: 58.
- Aqua Baiz**, population of 26: 21.

Aquaquiri. *See* Guaquili.

Aquarian Devices, Seri 17: 182*-186*.

Aquatasi, Aquatubi, Awatobi synonyms 17: 594.

Aquatic Burial

of the Alibamans, of suicides 1: 180.

of the Cherokees 1: 180.

of the Chinooks 1: 180.

of the Gosh-Utes 1: 181.

of the Hyperboreans 1: 180.

of the Ichthyophagi 1: 180.

of the Itzas 1: 180.

of the Kavague 1: 180.

of the Lotophagians 1: 180.

of the Obongo 1: 180.

Aquatic Life of Seriland 17: 38 *sq.*

Aquico identified with Hawikuh 13: 326.

Aquilegia Canadensis

human transportation of 32: 59.

mention of 32: 82.

Aquilegia Formosa, mention of 45: 475, 507.

Aquilegia Truncata, mention of 45: 516.

Âquiû, name for Cicuye 14: 523.

Arab

symbols of the 4: 222.

tattooing among the 10: 414.

Arabis Drummondii 45: 464.

Araceae 32: 69.

Arache, province of Great Plains 14: 529, 588.

Arachnid figures on Pueblo pottery 22, i: 81 *sqq.*

Arae, Indian village on Great Plains 14: 577.

Arahei, province of, on Great Plains 14: 588.

Arai-Dai. *See* Dia-Dia.

Araiza, Victor, attack on Seri by 17: 88.

Araliaceae 33: 106.

Aralia Nudicaulis

medicinal constituents of 44: 303.

medicinal properties of 44: 300.

mention of 45: 471, 489.

use of 44: 286, 340, 350, 356, 358, 366, 376.

Aralia Racemosa

medicinal constituents of 44: 303.

medicinal properties of 44: 300.

Aralia Racemosa—Continued

use of 44: 287, 334, 340, 350, 358, 362, 366.

Aranca Nos. 1 and 2, Pima villages 26: 21.

Arapaho

Algonkians 4: 108, 109.

at Medicine Lodge treaty 17: 321.

Bent's recommendation concerning 17: 183.

called Blue Cloud 4: 176.

ceremonial smoking by the 14: 918.

character of 17: 234.

collections from the 13: xxxiii.

Comanche killing of 17: 272.

cycles of the 14: 701.

dance with Kiowa by 17: 379.

delegation of, to Woyoka 14: 900.

early knowledge of Messiah by 14: 797.

early recollection of Kiowa by 17: 155.

etymology of 14: 1013.

features of Ghost-dance among the 14: 653, 786, 807, 817, 820, 895, 926, 927.

first acquaintance of Kiowa with 17: 153.

Flathead name for 45: 302.

formation of war party 4: 139.

friendliness of, in 1872 17: 202.

friendly overtures from, in 1864 17: 179.

fulfilment of treaty obligations by 17: 213.

games of the 24:

archery 384.

buzz 751.

dice games 50-58.

hand game 268, 276.

hand-and-foot ball 705.

hoop and pole 420, 422, 430, 441 *sqq.*, 445.

ring and pin 529 *sq.*, 532.

shinny 617 *sqq.*, 620.

snow-snake 400.

swing 730.

tops 733.

genesis legend of 19: 229.

gesture signs of 10: 643.

Ghost-dance among the 14: xxxix.

Ghost-dance doctrine spread by 14: 902.

Arapaho—Continued

- Ghost-dance studies 13: xxxii.
- glossary of the 14: 1012.
- habitat of the 7: 48, 109.
- hostilities with, in 1867 17: 183.
- in peace council of 1872 17: 190.
- Kiowa friendliness toward 17: 168.
- Kiowa killing of 17: 274.
- Kiowa peace with 17: 172, 275.
- knowledge of Messiah among 14: 894.
- land cessions and reservations 18: 824, 838, 846, 848, 852, 856, 888, 940 *sqq.*
- measles among 17: 342.
- migration of 45: 320.
- mythology of the 24: 619, 730.
- name of, in sign language 45: 148.
- name of the Caddo 14: 1092.
- name of the Cheyenne 14: 1023.
- name of the Comanche 14: 1043.
- name of the Ghost-dance 14: 791.
- name of the Kiowa Apache 14: 1081.
- name of the Sioux 14: 1057.
- Omaha name of the 27: 102.
- Pawnee fight with 17: 276.
- planned uprising among 17: 176.
- police, acknowledgments to 14: 655.
- population of the 7: 48; 14: 957.
- prisoners, transportation to Florida 17: 213.
- religion of the 14: 775.
- sacred medicine of 17: 242.
- sacred pipe of the 14: 1063.
- sketch of the 14: 954.
- smallpox among the 17: 311.
- songs of the 14: 958.
- status of, in 1859 17: 182.
- study of the 15: xxxiii, lxxii, lxxx.
- symbolic representation of the 14: 789.
- treaties with 17: 180, 183.
- treaty agreement by, in 1865 17: 179.
- tribal designation of 10: 381.
- tribal medicine of 19: 503.
- tribal signs for 1: 460; 14: 954.
- tribal synonymy 14: 953.
- visit of Äpiatañ to 14: 911.

Arapaho—Continued

- visit of the, to Wovoka 14: 774, 804, 901.
- visit to the 14: 778.
- work among the 44: 4.
- Arapaho Language**
 - consonantic clusters 28: 284.
 - description of 28: 234-239.
 - pronunciation of 28: 226 *sq.*
 - reference to 28: 225.
 - relationship of 28: 22, 229, 237, 280, 289, 290a.
 - study of 14: xli.
 - See also* Atsina; Gros Ventres; Northern Arapaho.
- Arapaho Bull**, instructions given by 37: 415.
- Arapaho Notebooks** 36: 28.
- Arapaho Peyote Ceremony** 37: 415-419.
- Arapaho Tomahawk Dance** 25: xiv.
- Äräpa'kata**, Crow name of the Arapaho 14: 953, 1014.
- Araquaya** coiled pottery 4: 276.
- Aravaipa Canyon**, mortar cavities in 26: 99.
- Aravaipa Creek**, ruins on 29: 16.
- Aravaipa Valley**, field work in 22, i: xiii.
- Arawak Indians**
 - a stationary people 34: 52.
 - anger, indications 30: 300 *sq.*
 - artifacts of 34: 55.
 - as pottery makers 34: 56, 77.
 - assigned to the Greater Antilles 34: 55.
 - beliefs of the 30: 118, 119, 120, 152, 161, 168 *sq.*, 181, 187, 229, 236, 261.
 - binas of 30: 284, 285, 286, 288.
 - birthmarks of 30: 326.
 - burial customs of 30: 155, 156, 158.
 - cassava among the 30: 230.
 - courtship among 30: 313.
 - couvade, traces of, among 30: 322, 324.
 - culture of 25: xii *sq.*
 - diseases prevalent among 30: 347 *sq.*
 - dogs of 30: 282 *sq.*, 285.
 - exterminated by the Caribs 25: 218.

- Arawak Indians**—Continued
 food of the 30: 230, 295, 297, 352.
 in Porto Rico 25: 90.
 islands inhabited by the 34: 51, 52.
 language of 25: 77, 216.
 legends of the 30: 120 *sq.*, 141 *sq.*, 145 *sq.*, 150 *sq.*, 173, 175 *sq.*, 184 *sq.*, 188–191, 193, 194, 203 *sq.*, 209 *sq.*, 212 *sq.*, 215, 219–223, 228 *sq.*, 245 *sq.*, 257, 261, 269, 284, 316 *sq.*, 381–384.
 marriage customs of 30: 315–319.
 medicine men of the 30: 329, 343 *sq.*
 menstruating women among the 30: 309.
 mortuary customs of 25: 72.
 names of the 30: 305 *sq.*, 345.
 natal customs of 30: 319, 320 *sq.*, 323, 324.
 natives of Trinidad classed as 34: 64.
 omens among the 30: 271, 274, 276 *sq.*
 ordeals of the 30: 279.
 poisoning among the 30: 343.
 pottery of the 34: 261.
 prehistoric objects of 25: 141.
 probable representation of, in Florida pottery 20: 115.
 puberty beliefs and customs of the 30: 309, 311, 312 *sq.*
 silk-cotton tree 30: 329 *sq.*
 submerged by the Carib 34: 52, 261, 267, 268.
 talismans of the 30: 299.
 tobacco among the 25: 54.
 vengeance among the 30: 356, 357 *sq.*
 war with Carib Indians 30: 383 *sq.*
 words tabooed by 30: 252, 307.
See also Antillean; Tainan; and various Arawak tribal names.
- Arawanili**, identification of 30: 120.
Arbeca Micco, mention of 42: 576.
Arbitrary Signs 1: 340.
Arbor, *See Bed.*
Arbor Vitae
 use of 44: 293.
 use of, in purifying rites 37: 445.
See also Thuja Occidentalis.
- Arbor Vitae, Giant**, use of 45: 461, 496, 501.
Arbuckle, General —
 on adoption of Cherokee constitution 19: 135.
 reward for capture of Tahchee offered by 19: 141.
Arca. *See Noah's Ark.*
Arch, John, Bible translation by 19: 110.
Arch Spring
 near Zuñi, New Mexico, petroglyphs at 10: 96.
 pictographs at 4: 28.
Arche, province near Quivira 14: 503.
Archeologic
 discovery made near Santa Clara 2: 430.
 field work 13: xxvi.
 research connected with sign language 1: 368.
Archeological
 areas and distribution of types 12: 521–593.
 areas, the Atlantic and the Pacific 12: 723.
 collections, character of 27: 12.
 districts of the mound area 12: 521–524.
 * frauds, Whittlesey's, cited 4: 250.
 sections, primary 12: 521–524.
 sites, catalogue of 27: 10.
Archeological Association of Philadelphia, collaboration with 17: XLVI.
Archeological Expedition
 to Arizona, 1895 17: 519–744.
 to Arizona, memoir on 17: LXIII–LXV, LXXII *sq.*
Archeological Explorations
 in Arizona 22, i: 1–195.
 permits for 27: 11.
Archeological Institute of America
 reference to 27: 11.
 work of 29: 19.
Archeological Map
 of Colorado and New Mexico 26: xx.
 of the United States 25: x, xx. *sq.*; 26: xxvi *sq.*

Archeological Objects*Antillean* 25:

- bearing on aboriginal culture 89 sq., 91.
- classification of 91, 92.
- distribution of 214.
- material for 92.
- variation in types 214.

Mexican 25:

- conclusions 284.
- from Campoalan and Xico.
 - classification 251.
 - general description 250 sq.
 - stone idols at Altamira 278 sqq.
- Tampico stone idols 277 sq., 280.

See also names of objects, e. g., Amulets, Celts, Carved Stones, etc.

Archeological Remains, protection of 26: xxvi sq.**Archeological Specimens**

- donated by George Goshaw 46: 98.
- donated by Merle La Voy 46: 102.
- donated by Lomen Brothers 46: 117.
- donated by Thomas Berryman 46: 99.
- placed on deposit 46: 115.

Archeological Work of the Bureau of American Ethnology 42: 2 sq.; 43: 1-4.**Archeology**

- eastern, work in 15: xxi, xxv, xxviii, xxxiii, xxxvii, xlii, xlvii, li, lv, lix, lxiii, lxvi.
- in relation to ethnology 28: 42.
- limitations to the use of, in study of anthropology 1: 73, 74.
- of the Winnebago 37: 76-103.
- report on, of Lower Mimbres Valley 36: 11.
- summary of work in 15: lxxiii.
- supplementary to history 15: 20.
- western, work in 15: xxi, xxv, xxviii, xxxiii, xxxvii, xliii, xlvii, lii, lvi, lx, lxiii, lxvi.
- work in 14: xxxiv; 16: xix, xx, xxii, xxiii, xxvii, xxx, xxxv, xxxviii, xl, xliii, xlvii, l, lvi, lxvi-lxix; 17: xlv-xlviii.

Archeology, American

- interest in 41: 25 sq.
- researches in 41: 3.

- Archeology of Alaska** 46: 33, 84, 88, 101, 102, 149, 181.
- Barrow 46: 106, 206.
- Bering Sea 46: 168.
- Bonasila 46: 142, 144.
- Burchell's 46: 46.
- Kevalina 46: 100, 204.
- Kotzebue 46: 100.
- "mounds" near Barrow 46: 319.
- Point Hope 46: 102, 205, 206.
- St. Lawrence Island 46: 210.
- St. Michael Island 46: 170.
- Seward Peninsula 46: 202.
- Shishmaref 46: 202.
- Tanana 46: 43.
- Wainwright 46: 106.
- Wales 46: 93, 197.
- western Eskimo region 46: 165, 167, 362, 363, 366.
- workmanship 46: 173.
- Yukon 46: 73, 81, 84, 129, 134, 135, 144.

Archery

- games, general account of 24: 383.
- games, played by the 24:
 - Apache 383, 385.
 - Arapaho 384.
 - Assiniboin 383, 391.
 - Cheyenne 384.
 - Chipewyan 385.
 - Crows 383, 391, 529.
 - Dakota 392, 393, 394.
 - Oglala 383, 391 sq.
 - Teton 383, 392 sq.
- Eskimo 383, 386 sqq.
- Gros Ventres 383, 384, 529.
- Haida 395.
- Hopi 383, 390.
- Iowa 394.
- Keres 388.
- Kiowa 388.
- Makah 383, 395, 396.
- Mandan 393.
- Missouri 394.
- Montagnais 383, 384 sq.
- Navaho 383, 385 sq.
- Omaha 383, 393, 394.
- Oto 394.
- Pawnee 383, 386, 389.
- Pima 389.
- Ponka 383, 394.

Archery—Continued

- games, played by the 24—cont.
 - Potawatomi 383, 385.
 - Shuswap 383, 390.
 - Tarahumare 383, 389.
 - Tewa 383, 390, 395.
 - Thompson Indians 383, 390.
 - Topinagugim 388.
 - Washo 396.
 - Wichita 386.
 - Zuñi 383, 396–399.
- implements of the Seri 17: 198*–200*.
- Indian 11: 313.
- Omaha skill in 3: 291.
- Seri 17: 197*, 255* sq.

Archery Posture

- African 17: 201*, 202*.
- Seri 17: 200* sq.
- von Bayer's photograph of 17: 106.

Archi-magnus. *See* Fire-maker.**Architectural**

- nomenclature 8: 220, 223.
- terms of the Zuñi 13: 356.

Architecture

- adaptation to defense 8: 226, 227.
- adaptation to environment 8: 225, 226, 227, 228.
- affected by flora 33: 57.
- cliff dwellings 13: 344.
- comparison of constructional details of Tusayan and Cibola 8: 100–203.
- influence of, on pottery 20: 86.
- of ancient Verde pueblos 13: 185.
- of cliff ruins 16: 153.
- of Casa Grande 28: 72 sqq., 154 sq.
- of Gila-Salt Compounds 28: 150 sqq., 156.
- of the Menomini 14: 253.
- of the mound builders 12: 660–666.
- Pima 26: 25, 153–157.
- Pueblo, character of 16: 193.
- Pueblo, development of 16: 193.
- Pueblo, modifying influences on 19: 640–644, 646 sqq.
- Pueblo type of, evolution of 22, i: 193 sqq.
- Stone Age, of America and Europe compared 34: 54.
- Zuñi, evolution of 13: 363.
- See also* Houses.

Archuleta, Juan Antonio, reference to 29: 168.

Arcs Plats, a synonym of Kutenai 14: 731.

Arctic Circle 46: 100.

Arctic Coast

- archeology of the 46: 32.
- old sites of the 46: 203.

Arctic Eskimo

- crania of 46: 257, 260, 261, 262, 263, 264.
- facial angle of 46: 266.
- nose measurements of 46: 263.
- of the north 46: 227, 256, 357.

Arctic Highlanders

- mention of 23: XII.
- See also* Ita Arivaca Valley, ancient population of.

Arctium Minus

- medicinal constituents of 44: 303.
- medicinal properties of 44: 300.
- mention of 33: 135.
- of recent introduction 33: 59.
- use of 44: 289, 340, 377.

Arctostaphylos Uva-ursi

- medicinal constituents of 44: 303.
- medicinal properties of 44: 300.
- mention of 45: 458, 486, 493, 494, 495, 514.
- use of 44: 287, 307, 318, 336, 376, 377.

Ardnainiq, fabulous tribe in Eskimo tradition 6: 640.

Areitos

- character of 25: 37, 38, 68 sq., 83, 84.
- in marriage ceremonies 25: 48, 65.
- in mortuary ceremonies 25: 65, 68 sq., 70, 83, 84.
- musical accompaniment 25: 210.
- plazas 25: 83 sq.
- See also* Antillean; Dances.

Arekuna Indians

- comets among 30: 359.
- ordeals among the 30: 278, 281.
- vengeance among the 30: 357.

Arellano, Tristan de

- appointment of, as captain 14: 477.
- arrival of, at Cibola and Tiguex 14: 492, 494, 510.
- at Corazones 14: 485.
- command of, in Coronado's army 14: 391, 481, 572, 577, 581.

Arellano, Tristan de—Continued

foundation of Corazones by 17: 53.
lieutenant to Coronado 14: 508.

Arenal, population of 26: 21.

Areneños, field study of 22, i: xi.

Arequipa, Peru, petroglyphs near
10: 157 *sqq.*

Argentina

acknowledgments to officials of
18: xxix.

character of pottery of 20: 20.

field work in 21: ix, xi, xviii.

researches in 30: 11-15.

Argentine Republic, petroglyphs in
10: 157.

Argillite

defined 13: 58.

distribution of 15: 73.

implements of, discussed 15: 89.

quarries, location of 15: 78.

source of, for implements 15: 140.

Argyle, Duke of, on gestures of
Fuegians 1: 293.

Argyle Midden 34: 92.

Arickara

beliefs, reference to 11: 403.

ceremonial of the 11: 437.

mention of the 4: 100, 101.

See also **Arikara**.

Aridity, effect of, on practice of
potter's art 20: 23.

Arikara or Ree Indians

a branch of the Pawnee 4: 105.

at war with the Dakotas and U. S.
4: 111 *sq.*

Chungke game among the 13: 99.
conventional device of, for dead men
10: 660.

corrupt form of Arikaree 4: 100.

customs of the 24: 58.

decorating and coloring of skins by
10: 220.

early contact with Omaha 27: 74,
75-78.

games of the 24:

dice games 97 *sq.*

double ball 657.

hand game 276.

hoop and pole 461 *sq.*

popgun 758.

shinny 624.

Ghost dance among the 14: 817.

habitat of the 7: 60; 17: 158.

habits of the 17: 158.

Arikara or Ree Indians—Continued

hunting and other pictographs of the
10: 537, 538.

influence on Omaha 27: 102, 112.

killed 4: 209-214.

Kiowa horse trade with 17: 251.

Kiowa intercourse with 17: 156.

land cessions and reservations 18:
786, 852, 900.

manufacture of pottery by 20: 195.

mention of 3: xxiii.

migration of 46: 405.

mythology of the 24: 624.

Omaha name for 27: 102.

party to peace conference 27: 74,
218, 376.

pictographs on wood by 10: 214.

pictography 4: 48, 50, 59, 186,
187, 240.

population of 7: 62.

pottery of 46: 413.

property marks of 4: 182; 10:
441.

removal of, on account of smallpox
17: 311.

sign of achievement by 10: 436.

smallpox among 17: 275.

source of Wa'wa^a pipes 27: 47.

symbol of 4: 60, 213 *sq.*, 231.

tribal designations of 10: 381-385.

tribal sign for 1: 461.

visited by Lahontan 15: 190.

See also **Arickara**.

Arisaema Triphyllum 33: 69.

Arison, William

petroglyph copied by 4: 225.

pictograph copied by 10: 111.

Arispa

settlement of 14: 515.

visit of Coronado to 14: 585.

Aristocracy among Chitimacha 42:
695.

Aristolochia Serpentaria, medicinal
use of 42: 667.

Arivaypa Creek in Arizona 14: 387.

Arizona

aboriginal remains in 13: xxxvii,
xliv, li, 185-261.

adobe of 14: 520.

age of ruins of 28: 150.

antiquities of 28: 17.

archaeologic work in 13: xxviii;

15: xxi *sq.*, xxv, xxviii, xxxvii,

xlili, xlvii, lxvi, lxx, lxxvi;

28: 13, 18.

Arizona—Continued

archaeological expedition to, in 1895
17: 519-744.

archaeological explorations in, ac-
count of 22, i: 1-195.

archaeological explorations in, plan
of, for 1897 22, i: 121 *sqq.*

as cultural centre 28: 157.

Central 28:

cliff dwellings 151.

collections from 20.

dual composition of ruins 151.

fetish from 122.

national monuments in 18.

cliff ruins of Canyon de Chelly 16:
73-198.

coiled ware from 4: 279.

collections made in, by Dr. Russell
22, i: xxx.

character of pottery from 20: 20.

earthquake in 26: 60.

explorations in 5: xxiii, xxiv;
11: xxvii.

field work in 20: ix, x *sq.*; 22, i:
ix, xi, xiii; 23: ix, xvi, xviii.

first garrison 26: 28.

first permanent Spanish residents
26: 28.

effigy vases from, description of
22, i: 189-192.

hammer stones in ruins 26: 111.

masks from 3: 105.

military posts in 17: 381.

mortar cavities found in 26: 99.

national monuments of 29: 20.

Northern 28:

dual composition of ruins 151.

fabrics from ruins 148.

pottery 137, 139.

shell work 144.

office work on collections from 22,
i: xvii, xxiii.

office work on material from 20:
ix.

paper on explorations in 40: 17.

petroglyphs in 10: 48-51, 476, 512,
682 *sq.*

pictographs on person 4: 61.

petrified forests in, habitations in
22, i: 135 *sq.*

pottery 4: 291, 353-358.

pottery in, distribution of 22, i:
192 *sq.*

puma found in 26: 81.

95719°—33—6

Arizona—Continued

reference to 27: 8; 30: 11.

report on collections from 19: xix
sq.

researches in 28: 9.

rock carvings in 4: 28 *sqq.*, 222,
228, 245.

ruins in southern part of 26: 25.

ruins of central and northern,
objects of value obtained from
23: 18.

shells among aborigines 28: 143.

Southern 28:

cliff houses 151.

lacking in modern pueblos 152.

pictographs 214.

pottery 139.

telegraph lines in 26: 54.

"Two Summers' Work in Pueblo
Ruins in," paper by J. W.
Fewkes 22, i: 1-195.

characterization of 22, i: xliii.

visited by Smohalla 14: 719.

Western 28:

early explorations in 186.

pictographs 214.

work in 7: xviii, xxv-xxviii; 10:
xvii; 19: xiii *sq.*; 29: 10, 14
sqq., 20.

See also **Cliff Dwellings; Navaho.**
Arizpa del Aqua, Pima village 26:
21.

Arizpe. *See* **Arispa.**

Ark, Sacred

a war medicine 42: 503.

carried in war 42: 408, 425, 705.

contents of 42: 425.

description of 42: 411 *sq.*

place of, in ceremony 42: 422.

Arkansa, identified with Kwapa 15:
193.

Arkansas

abundance of pottery in 20: 80.

ancient works and antiquities in
12: 198, 199, 203-225, 227 *sqq.*,
223-237.

boat-shape stones from 13: 124.

celts from 13: 74-82.

chipped flints from 13: 145-150,
176.

chisels from 13: 83, 84.

City, mound near 12: 227, 237, 240.

Clark County, Triggs mound and
ancient works in 12: 247.

Arkansas—Continued

clay-plastered house in 20: 37.
 Clayton mounds, Jefferson County 12: 242.
 collection from 19: xxi.
 collections of pottery from 3: 476 *sqq.*
 Corning group near 12: 198.
 County ancient pottery 3: 476-485.
 County, Menard mounds 12: 229, 230.
 Craighead County, Carpenters Landing, mound at 12: 200.
 Craighead County, Webb group 12: 201.
 Desha County, old (French) port and mounds 12: 237, 239, 241.
 discoidal stones from 13: 101-108.
 distribution of stone art 13: 60.
 district, archeology of 12: 586-590.
 Drew County, antiquities of 12: 239, 241, 242.
 explorations in 12: 233.
 eastern, special ceramic groups in 20: 81.
 fabric-impressed pottery from 13: 42.
 flakes from 13: 173, 174.
 gorgets from 13: 118, 120.
 Greene County, Babcock mounds 12: 200.
 grooved adzes from 13: 65, 67, 70.
 Jefferson County, De Soto mound 12: 243.
 Jefferson County, mounds in 12: 242.
 Lee County, Greer's mound 12: 231.
 life forms from 20: 94, 95.
 Lincoln County, mounds in 12: 241.
 military posts in 17: 382.
 Mississippi County, Frenchman's Bayou, mounds on 12: 221.
 Mississippi County, Jackson and Sherman mounds 12: 222, 223.
 Monroe County, ancient pottery 3: 486-489.
 mortars from, described 13: 97.
 mounds in 5: 11; 12: 200, 226, 229, 231, 237 *sqq.*
 novaculite quarries in 13: xxvii; 14: xxxv.

Arkansas—Continued

occurrence of salt-making vessels in 20: 28.
 Ouachita County, antiquities of 12: 248.
 paint-mortars from 13: 93.
 paint-stones from 13: 115.
 paper on pottery of 20: 87.
 peculiar animal form found in 20: 107.
 pestles from 13: 89, 90.
 Phillips County, Rogers mound 12: 236.
 pipes of 20: 141.
 plummets from, described 13: 111, 113.
 Poinsett County 12: 207, 209, 212, 213-218.
 Poplar Bluff, mounds near 12: 193.
 pottery from 4: 378-392, 394-398, 399-410, 413-426, 448; 20: 88 *sq.*, 90 *sqq.*, 94, 95, 96.
 possible borrowing of decorative art of, from Pueblos 20: 52.
 Pulaski County, Mound Lake, mounds on bank of 12: 243.
 Pulaski County, Thiboult mounds 12: 245.
 pumice rubbing-stone from 13: 94.
 region, decoration in color of pottery of 20: 67.
 Saline County, antiquities of 12: 245.
 Saline County, Benton and Hughes, mounds near 12: 246.
 sites for houses and cemeteries in 12: 231.
 spades from 13: 135, 136.
 spool-shaped ornaments from 13: 125.
 spuds from 13: 110.
 stemless perforators from 13: 166, 167.
 stemmed flints from 13: 151-164.
 stemmed perforators from 13: 167, 168.
Arkansas Cherokee
 conference with Osage by 19: 105.
 fixing of boundaries to lands of 19: 105.
 friction between main band and 19: 133, 135, 147, 148.
 history of 19: 77, 102, 136-143.

Arkansas Cherokee—Continued

request of, for recognition as a separate tribe 19: 105.

union of, with main band 19: 135.

visit of Sequoya to 19: 110.

Arkansas Post, bowls from 20: 88 sq.

Arkansas River

abundance of pottery along 20: 23.
cession to Cherokee of tract on 19: 102 sq.

exchange of tract on 19: 139.

followed by Coronado 14: 397.

lower towns on 42: 333.

references to 27: 57, 67.

settlement of Cherokee on 19: 102.

Arkansas State, references to 27: 57, 74.

Arkansas Territory, Creek removal to 42: 505.

Arm

clothing of Eskimo 9: 123 sqq.

positions, outlines of, in sign language 1: 545.

Serian and Yuman names for 17: 330* sqq.

stretch, Eskimo 46: 239.

stretch, Western Eskimo 46: 251.

Arm Bands, description of 47: 871.

Arm Rings, materials used for 45: 83.

Armadillo

associated with snake 38: § 165.

basketry patterns 38: § 431 sqq.

bina for 30: 282, 368.

carved from seeds 38: § 535.

charms made from 30: 368.

habits of 30: 368.

hunted by Guiana Indians 38: § 165.

omens obtained from 30: 274.

Armas, —, on Carib cannibalism 25: 50.

Armenia

colors used for mourning in 10: 630.

inscriptions on tombstones in 10: 524.

Armlets

Eskimo ceremonial 18: 416, 418, 420.

from Cheylon, figures showing 22, i: 89, 90.

See also **Arm Bands**.

Armor

absence of, among the Omaha 13: 287.

among Southern Indians 42: 438 sq.

find of European 21: x.

made of rods and slats or hides 31: 53.

of the Eskimo 18: 330.

of the Pawnee 13: 288.

use of 45: 117.

used by Padouca 27: 79.

See also **Cuirasses; Shields**.

Armstrong, Agent, at Port Gibson council 17: 169.

Armstrong, —, 46: 218, 219.

Armstrong, —, superintendent of Pima schools 26: 34.

Armstrong, F. W., commissioner to extinguish Cherokee title 5: 241.

Armstrong, James, visit of Kickapoo delegation to 14: 699.

Armstrong, John

annalist 21: 137.

Seneca cosmological myth related by 24: xviii.

Seneca informant 32: 50, 52.

Armstrong, Perry A., on meaning of Sauk and Fox tribal names 19: 1050.

Armstrong, R. B., prayer-stick in possession of 14: 699.

Armstrong, R. H., aid of, acknowledged 5: 130.

Armstrong, S., reservation of lot on farm of 18: 776.

Armstrong, Thomas

cited 12: 673.

on Wisconsin mounds 5: 16.

Armstrong, W. H., cited on Hawaiian phonetics 11: 364.

Armstrong, William

commissioner to treat with Cherokee 5: 298, 305.

plan of, for adjusting Cherokee differences 5: 304.

Army Medical Museum

mention of 46: 235.

tattooed heads in 4: 75.

Army of the West, conquest by 16: 79.

Arnica Latifolia 45: 473.

Arnold, Mrs. L. B.

acknowledgments to 14: 655.

adoption of Sioux child by 14: 880.

Arny, W. F. M.

- on Pojoaque 29: 335.
- on Sandia 29: 527.
- on Taos 29: 180.

Aroko, or symbolic letters of West Africa 10: 371-374.

Arolik 46: 191.

Arouages, an ancient Antillean race 25: 219.

Arriaga, José de, cited on Indian medicine-men 9: 594.

Arricivita, J. D.

- on Bernabe mission 17: 80, 81.
- on Pimería, quoted by Buschmann 26: 76.
- on Seri relations 17: 82.

Arrangement

- in description of signs 1: 546.
- of Tewa ethnographical material 29: 37 sq.

Arrow

- appearance of, in pictures of Hopi kateinas 21: 61, 66, 69, 72, 75, 76, 78, 81, 82, 90, 91, 98, 99, 103, 106, 108, 110, 111, 113.
- embedded in body, extraction of 32: 416.
- in Tusayan ceremony 15: 281, 285.
- leaf used in withdrawing from body 32: 535.
- making by Arizona tribes 14: 275.
- medicine, ceremony of 14: 1026
- mention of 33: 660; 38: § 134-144, 146, 190, 759, 764.
- of Chesapeake tribes 15: 85.
- Seri, construction of 17: 197* sq.
- Seri, decoration of 17: 175*.
- Seri, genesis of 17: 198* sq.
- Seri, relation to harpoon and fire-drill of 17: 198* sq.
- supernatural 31: 451.
- symbolism of the 24: 33, 213 sqq., 227 sqq., 335 sq.
- use of, by Hopi kateinas 21: 85, 86.
- use of 17: 225* sq.
- use in magic 32: 317.

Arrow Ceremony 36: 145.

Arrow Clan

- native names for 42: 116.
- See also* Pakab Clan.

Arrow-flaking by the Powhatan 15: 62.

Arrow Games

- description of 45: 132 sq.
- of the Arapaho 14: 962.
- of the Eskimo 11: 246.
- of the Mandan 24: 393.
- of the Nenenot 11: 312.
- of the Sia 11: 60.
- study of 15: LXIV, LXVII; 16: LXXV
- use of, in ceremonial 11: 122.

Arrow Order. *See* Sho'tikianna.

Arrow Points

- and spearheads from Chiriqui 6: 34.
- as fetishes 47: 278.
- burial of shards resembling, Florida peninsula 20: 119.
- distribution of 15: 142.
- Eskimo 18: 159, 161.
- in graves at Sikyatki 14: 519.
- in Wisconsin mounds 14: 38.
- iron, of the Seri 17: 247* sq.
- ivory, below Paimute 46: 67.
- ivory, Bonasila 46: 60, 135.
- ivory, Eskimo territory 46: 173.
- ivory, Ghost Creek 46: 63.
- materials used for 15: 85.
- modern stone 14: 281.
- of Arizona tribes 14: 256.
- of stones from Pueblo ruins 22, i: 103.
- stone 46: 173.
- stone, Eskimo method of making 18: 91.
- stone, of the Seri 17: 198*, 246* sq.
- what constitutes 15: 83.

See also Projectile Points.

Arrow Poison 38: § 123, 217.

- Seri, characters of 17: 256*-259*.
- travelers' accounts of 17: 54, 78, 87, 97, 100, 101, 102, 103, 105.

Arrow Polishers from Pueblo Viejo ruins, description and figures of 22, i: 182, 183.

Arrow-shaft

- polishers from Awatobi 17: 611, 731.
- polishers from Casa Grande 28: 126.

Arrow-shaft—Continued

polishers in Sikyatki graves 17: 731.

straighteners, Eskimo 18: 88 sq.

straightening 13: 126.

Arrow Smoothers, stone 45: 40.

Arrow-spearing Game 24: 437.

Arrow Tightener of the Guiana Indians 38: § 130.

Arrow Trap 38: § 160.

Arrowbush

bark as a Pima medicine 26: 79.

in basketry 26: 134.

Arrowhead

use of 44: 292, 319.

See also Sagittaria Latifolia.

Arrowheads

application of the term 41: 317, 321.

authorship of 37: 86 sq.

beveled, use of 13: 177.

blunt, and scrapers compared 13: 169.

blunt, description of 13: 169.

chipping of, discussed 13: 138, 140.

chipping of, time necessary for 13: 142.

classification of 44: 94 sq.

definition of 13: 142.

description of 44: 97-101; 45: 100.

designs 41: 317, 321, 343 sq., 422 sqq.

distribution of 37: 79.

flint, at Licking Reservoir 44: 513.

found in mound 41: 575.

from Awatobi 17: 618, 625.

in Sikyatki graves 17: 731, 740.

kilt worn by Man-Eagle 17: 692 sq.

materials used for 42: 692.

mention of, from Casa Grande 28: 130.

method of flaking 13: 150.

nomenclature of 13: 143.

of America and Europe compared 13: 58.

of California Indians 13: 143.

of volcanic glass 22, i: 183.

stone 45: 42.

types of 37: 88.

variety of 45: 241.

Arrowleaf 33: 65.

Arrows

bow and, use of 30: 314 sq., 361 sq.

broken 30:

castigation with 210, 362.

charm from 214, 273.

legends of 213 sq.

used by spirits 361 sq.

carried in wooden quiver 31: 50.

ceremony connected with 39: 233 sq., 364 sq.

connected with sacred pole 27: 228, 242, 247.

description of 45: 99 sq.

each Omaha has his own set of 3: 291.

Eskimo 18: 157, 161.

five types of 37: 110.

flaming, use of 42: 439.

game played with 38: § 609, 610; 42: 468; 46: 570.

in declaration of war 4: 87, 88.

in Menomini myth 14: 196.

in Shell Society ceremony 28: 562, 564.

lucky, legend of 30: 214.

making and exchange of, in Guiana 13: 139.

manufacture of 27: 449-452; 38: § 128-133.

marking of 27: 42, 43, 452.

mission of 30: 362.

mystic 45: 675.

mystic, in Menomini myth 14: 196.

of the Cheyenne 14: 1024.

of the Eskimo 9: 201-207.

of the Menomini 14: 274.

origin of 27: 70.

protection against spirits by 30: 293 sq.

sacred, of the Cheyenne 13: 116; 17: 242.

sacred, in Sioux ceremony 14: 823.

sacred, in Sioux Ghost-dance 14: 788, 915, 916.

songs of the 39: 233 sq., 364-369.

shot upward 30: 361.

spirally feathered 13: 178.

spirit, diseases due to 30: 352, 356, 361.

symbolic use of 39: 207, 234, 364 sq.

symbolism of, in Ghost-dance 14: 789.

Arrows—Continued

- tools used by Eskimo in making 18: 85.
- toy, wax tips of 30: 276.
- used by Padouca 27: 79.
- used for hunting sea otter 31: 50.
- used in gaming 14: 245.
- woods used for making 42: 692.
- See also Arrow; Bow and Arrow.*

Arrows and Bow

- finding of, at Cheylon 22, i: 100.
- used in buffalo hunting 46: 542.

Arrows, Seven Symbolic, story of 36: 156.**Arrowsmith, A.**

- on influence of wild rice on geographic nomenclature 19: 1116, 1117, 1121.
- on Jemez 29: 402.
- on San Cristóbal 29: 486.
- on Santa Ana 29: 521.
- on Taos 29: 182.
- on territory of "Wild-rice Indians" 19: 1042.

Arrowwood

- use of 44: 294.

See also Viburnum Acerifolium.

Art

- antiquity of shell works of 2: 187.
- burial and shell works of 2: 187.
- curvilinear 46:
 - Bering Sea 174.
 - Eskimo 363.
 - fossil ivory 362, 363.
 - Paleolithic and Europe, resemblances to that of Bering Sea 175.
- evolution of 2: 185, 192, 202, 210, 213, 225.
- inception of 2: 186.
- influenced by material 15: 23.
- lessons of northern ware concerning development of 20: 146.
- materials employed in 2: 185, 188.
- memoir on, in shell of the ancient Americans 2: 179-304.
- memoir on, etc., discussed 2: xxxiv.
- modern Italian, exhibiting gestures 1: 292.
- of the Eskimo, incised patterns 9: 389 *sqq.*
- of the Eskimo, painting 9: 390 *sqq.*
- of the Eskimo, carving in various materials 9: 392.

Art—Continued

- of the Eskimo, carving of human figures 9: 373-398.
- of the Eskimo, carvings of quadrupeds 9: 398-401, 406 *sq.*
- of the Eskimo, carvings of whales 9: 402-406.
- of the Eskimo, carvings of various objects 9: 406-409.
- of the Eskimo, pencil drawings 9: 410.
- preservation of shell works of 2: 186.
- primitive symbolic types of, among peoples of Walpi, study of 22, i: xvii *sq.*
- Pueblo 4: 266.
- Pueblo, review, cited on coiled ware 4: 279.
- purposes of study of products of 20: 18.
- remains in Palatki and Honanki 17: 569.
- remains of cliff and cave dwellers 13: 351.
- remains of Potomac-Chesapeake province 15: 20, 146.
- stone, influenced by geology 15: 137.
- stone, memoir on 13: 47-148.
- textile, memoir on 13: 3-45.
- textile and fictile, degree of Pueblo advancement in 8: 227.
- Tsimshian, geometric, essentially woman's 31: 57.
- Tsimshian, realistic, essentially man's 31: 56 *sq.*
- See also Arts.*

Art Products, classification of 14: xxxvii.**Artemisia Absinthium**

- medicinal constituents of 44: 303.
- medicinal properties of 44: 300.
- use of 44: 287, 362.

Artemisia Canadensis 45: 470.**Artemisia Dracunculoides**

- medicinal constituents of 44: 303.
- medicinal properties of 44: 300.
- mention of 33: 134; 45: 463, 512.
- use of 44: 287, 325, 338, 344, 350, 356, 362.

Artemisia Frigida

- mention of 33: 134; 45: 465, 497.
- use of 44: 287, 336, 356, 364.

Artemisia Gnaphalodes

mention of 33: 134.

use of 44: 287, 366, 376.

Artemisia sp. 45: 468, 469, 500, 510.

Artemisia Tridentata, use of 45: 459.

Arthur, Gabriel, reference to 42: 736.

Artichoke, Jerusalem. *See Jerusalem Artichoke.*

Article Pronouns in Indian languages 1: 9, 10.

Articles

made by Navaho silversmiths 2: 171, 176.

of European manufacture recovered from mound 48: 4.

Articles of Confederation, regulation of Indian Affairs in 18: 639 sq.

Articulate Speech preceded by gesture 1: 274, 284.

Artifacts

conclusions drawn from 41: 613.

condition of 44: 72.

description of 44: 72, 168.

from mound 41: 575.

of the Seri, classes of 17: 248* sq.

Pima 26:

architecture 153-157.

basketry 113, 131-148.

clothing 157 sq.

cultural importance 95.

fiber and leather 113-124.

pottery 124-131.

stone 95, 108-112.

textiles 148-153.

wood 95-108.

See also Implements; Utensils.

Artificial

Articulation 1: 275, 307.

flowers, appearance of, in apparel of Hopi katchinas 21: 85.

objects, pictographs on 10: 215 sqq.

Artillery

substitutes for, devised by Spaniards 14: 500.

use of, at Chiametla 14: 481.

use of, by Indians 14: 524.

use of, in exploring expeditions 14: 546.

Artiplex Coronata Wats., Pima food plant 26: 69.

Artiplex Elegans Dietrich, Pima food plant 26: 69.

Artiplex Lentiformis

in Pima basketry 26: 135.

Pima food plant 26: 78.

Pima medicinal plant 26: 80.

Artiplex Nuttallii, Pima food plant 26: 77.

Artiplex Polycarpa in Pima basketry 26: 135.

Artiplex sp.

Pima food plant 26: 73.

See also Saltbushes.

Artist in Ancient Pottery, freedom of 4: 279.

Arts

aboriginal, plan of director of Bureau of American Ethnology for monographs on 20: 16.

ceramic, among the Eskimo 11: 259.

ceramic, among the Nenenot 11: 297.

ceramic, among the Sia 11: 60.

determination of culture status of peoples by 20: 22.

Eskimo 18: xxxiv, 196-205.

factors controlling 20: 22 sq.

implements used by Eskimo in 18: 116.

of Cibola and Tusayan closely related 8: 224.

of Siouan tribes 15: 170.

phonetic and graphic 15: 168.

plants used in 44: 377.

primitive, egoism reflected in 19: 832.

restrictions on 30: 292, 302 sqq.

structural, among the Sia 11: 23.

use of pottery in, by American aborigines 20: 25.

value of pottery in study of 20: 18, 19.

See also Esthetology; Esthetic Arts; Fine Arts.

Aruba Island, West Indies, petroglyphs in 10: 139 sq.

Arum, poison from 38: § 735.

Aruncas Acuminatus 45: 457.

Arureso Bird, legend concerning 30: 226.

Arvide, Martin de, killed by the Zuñi 13: 327, 328.

Aryan Problem 20: CLXIII sq.

Asa

- language of the 8: 37.
- houses of, Hano 8: 61.
- migration of the 8: 30, 31; 17: 622.
- people join the Hopi 17: 578.
- settle at Sichomovi 17: 578.

Asa Clan

- affiliation of, with Zuñi 21: 29.
- celebration of advent of kateinas of, in Pamürti 21: 57.
- dramatization of return of ancients of 21: 16.
- house of, display of masks in 21: 28.
- house of, entrance of Pamürti procession into 21: 27, 28.
- introduction of East Mesa Natackas into Tusayan by 21: 71.
- kateina return dance of the 21: 62.
- Kokopelli introduced by 21: 86.
- mention of 21: 61, 62.
- or Teakwaina Clans, migrations and census of 19: 610-613.
- origin of 21: 26.
- participation of, in Pamürti ceremony 21: 21.
- representation of return of ancients of 21: 26-29.

Asa (Tansy-Mustard) Clan, advent of, at Walpi 19: 585 sq.

Asa Group, component clans of 19: 584.

Asā'nk'liqoan, local group of Hutsunuwu 26: 412.

Asanyumu. *See* Asa

Asarum Canadense

- medicinal constituents of 44: 303.
- medicinal properties of 44: 300.
- use of 44: 287, 307, 318, 334, 342, 348, 366.

Asarum Caudatum 45: 460, 496, 508.

Äsatitola, present name of Biāñk'i 14: 909.

Asay, J. F.

on mortality at Wounded Knee 14: 870.

on Sioux Ghost-dance 14: 915.

Asbestos, use of, at Chaves Pass pueblos 22, i: 110 sq.

Ascena or Timber Indians 1: 103.

Asclepiadaceae 33: 109.

Asclepias, species of, used medicinally 42: 667, 668.

Asclepias Exaltata 33: 110.

Asclepias Incarnata

- medicinal constituents of 44: 304.
- medicinal properties of 44: 300.
- use of 44: 287, 307, 320, 360, 376.

Asclepias Speciosa 45: 470, 498, 513.

Asclepias Syriaca 33: 109.

Asclepias Tuberosa 33: 109.

Ascyrum, species of, used medicinally 42: 666.

Ascyrum Multicaule, medicinal use of 42: 664.

Asdiñda, the story of, and omen 31: 260-270.

Asdi-wā'l

story of 31: 243.

Waux, the son of, story of 31: 243-246.

Ash

mention of 33: 108.

mystic character of 33: 108.

piles, use of 47: 210.

use of 44: 289, 364, 377.

Ash, Black, use of 44: 289, 377.

Ash Wood, use of, in Hako ceremony 22, ii: 19.

Ashawakanau, genealogy of 14: 57.

Ashbow Family, mention of 43: 224.

Ashcroft Bands, as basket makers 41: 144.

Ashe, Thomas

cited 12: 696.

dishonesty of 42: 761.

Ashes

ceremonially used 15: 285.

Eskimo traditional falls of 18: 449 sq.

tobacco 38: § 283, 284.

use of, as tempering material in eastern U. S. pottery 20: 46.

use of, in ceremonial 11: 134.

use of, in religious formalities 9: 536.

Asheville, N. C., petroglyphs near 10: 99.

Ash-heap Pueblo, former site of Walpi 17: 635.

Ashivak 46: 187.

A'shiwanni, Rain Priesthood

associate, method of promotion 23: 166.

associate, requirements of 23: 166.

associates, duties of female 23: 165.

confined to families 23: 165, 166.

A'shiwanni, Rain Priesthood—Contd.
 decline of eligibles for membership
 in 23: 166, 167.

designations given to 23: 163.

enumeration of 23: 167, 168.

ĕt'tone, care of 23: 164.

ĕt'tone, description of 23: 163.

ĕt'tone, sacredness of 23: 164.

ĕt'towe, taking of flashlight picture
 of 23: 164, 165.

impeachment of a *shi'wanni*, power
 of priestess of fecundity 23:
 166.

members of 23: 163.

mention of 23: 163-180.

ninth *shi'wanni* 23: 167 (note).

order of retreat of, in 1891 23:
 180.

See also **Mythology; Shi'wanni;**
Te'likinawe.

A'-shi-wa-ni or priests of Zuñi 2:
 12.

A'shiwi

a Zuñi synonym 2: 9; 13: 367.

history myth of (free translation,
 text, and interlinear translation)
 23: 73-89.

characters and objects in 23: 73.

'Kiäklö, quenching of thirst of, dur-
 ing 23: 89.

order of recitation in each *Ki'witsině*
 23: 89.

purpose of recitation of 23: 89.

See also **Mythology.**

Āshiwi. *See* **A'shiwi.**

A'shi-wi. *See* **A'shiwi.**

Ashkum's Band

cession of reserve by 18: 762, 766.

reservation for 18: 742.

Ashland County, Ohio, mounds in
 5: 47.

Ashley, Edward

cited on Indian beliefs 11: 444.

on the Sisseton 15: 217.

on Wahpetan gentes 15: 216.

Ashley, James M., commissioner for
 Cherokee boundary 5: 365.

Ashley, Gen. William H., attacked by
 the Arikara 4: 111.

Asi

a busk medicine 42: 547.

ceremonial drinking of 42: 538-
 544, 565, 604, 606.

medicinal properties of 42: 666.

mention of 42: 449, 577, 582, 598,
 603, 606, 608.

preparation of 42: 565.

use of 42: 607.

See also **Black Drink; Cassine; Ilex**
Vomitoria.

Āsi

characters of 19: 462.

recitation of sacred myths in 19:
 230.

Asia

cultural affinities with Alaska 46:
 175.

living remnants in, of stocks that
 people America 46: 29.

origin of Eskimo in 46: 330, 333-
 339, 359, 361.

petroglyphs in 10: 185-188.

Asiatic

affinities of Western Eskimo 46:
 214-227, 240, 250.

American connections 46: 197.

cultures, influence of 46: 145, 146,
 173.

Eskimo 46: 226, 234, 237, 361,
 364.

Asiatic Coast, Northeastern

archeology 46: 88, 363.

connections with America 46: 96.

crania 46: 254, 257, 259, 364.

fossil-ivory culture 46: 174.

migrations from, inevitable 46: 93,
 96.

sites 46: 168, 169, 170, 171, 210.

visibility of 46: 93, 96.

visits to, from St. Lawrence Island
 46: 97.

Asiatics, visits of, to America 46:
 96, 97.

Asilanabi

allocation of clans in beds at 42:
 201-204.

arrangement of square ground of 42:
 214, 232.

clan councils of 42: 124.

clans of, furnishing chiefs and heni-
 has 42 192.

Asilanabi—Continued

- clans, phratries and moieties of 42: 158 sq.
- mention of 42: 547.
- new fire ceremony of 42: 589.
- plan of ceremonial ground of 42: 214, 233.
- position of beds at 42: 198.
- Upper Creek White town 42: 124, 254.

Asinais, a Caddo synonym 14: 1092.

Asiniboin

- account of the 15: 222.
- and Cheyenne hostility 14: 1024.
- and Mandan hostility 15: 196.
- definition and divisions of 15: 161.
- Ghost-dance among the 14: 817.
- habitat of the 7: 115.
- history of the 15: 189.
- migration of the 15: 198.
- population of the 7: 117.
- smallpox among the 17: 275.
- Tenskwatawa religion among the 14: 679.

tribal origin of the 15: 190.

See also **Assiniboin**.

Asis, Ruiz de, expedition 25: 274.

Asking, signs for 1: 461.

Asking Festival of the Eskimo 18: 359 sqq.

Askinuk

- carvings from 18: 196.
- clothing from 18: 33.
- description of 18: 249.
- hospitality of people of 18: 297.
- implements from 18: 94, 97, 107, 143, 144, 156, 162, 168, 177, 192.
- mention of 46: 170, 194.
- mortuary feasts at 18: 378 sq.
- ornaments from 18: 45, 46, 61.
- tobacco implements from 18: 275, 278 sq.
- transportation apparatus from 18: 220, 222, 223.

Asmussen, P., mention of 46: 367.

Aspen

- quaking, use of 45: 464, 497, 504.
- use of 44: 291, 320.

See also **Populus Tremuloides**.

Asperger

- in Oraibi Antelope dance 16: 293.
- in Oraibi Snake dance 16: 293.
- performance of the 16: 306.

Aspergill

- at Oraibi altar 16: 291.
- importance of, in Snake ceremonies 19: 974.
- in Cipaulovi Snake dance 16: 284.
- in Oraibi Snake dance 16: 294.

Asphalt

- found at Cheylon ruin 22, i: 111.
- objects of 44: 105 sq.

Asphaltum, used by California Indians 2: 191, 209, 218.

Aspiroz, Manuel de, acknowledgment to 22, i: xi.

Assassins, employment of 30: 357.

Assembly

- mention of 35: 928, 975.
- of chiefs and shamans 35: 733.
- of chiefs of numayms 35: 907.
- of Numaym 35: 769, 891, 898, 958, 978, 981, 987, 994, 1003, 1029, 1031, 1037, 1042, 1064, 1083, 1091, 1360.
- of tribe 35: 1012, 1363 sq., 1377.
- of tribe after death 35: 1087.

Assimilation, by the Tundra

- of remains 46: 77.
- of skeletal remains 46: 79, 97, 111, 118, 136, 172, 184, 195.

Assinaboin. *See* **Assiniboin**.

Assiniboin

- beliefs among 11: 431, 436, 485, 492.
- consume wild rice 19: 1055.
- data on scalp and war dances of 40: 548.
- fasting among 40: 547.
- fetishism among 11: 498.
- Flathead name for 45: 302.
- games of the 24:
 - archery 383, 391.
 - dice games 173-177.
 - hand game 276, 316 sq.
 - hand-and-foot ball 705, 707.
 - hoop and pole 502.
 - racket 610 sq.
 - shinny 616, 636 sq.
 - shuffleboard 728.
 - snow-snake 415.
 - stick games 258.
 - tossed ball 710.

land cessions and reservations 18: 786.

meaning of tribal name 19: 1054.

migration of the 45: 320.

Montana, rock pictures in 10: 33.

Assiniboin—Continued

relations between, and Saulteaux
19: 1040.

sow wild rice 19: 1057.

tribal designation of 10: 381.

tribal history, migrations and settle-
ment of 19: 1054 *sq.*

wars with the 45: 366.

Assiniboin Indians

advancement of 46: 579 *sq.*

attitude of, toward debts 46: 476.

character of 46: 459.

characteristics of 46: 397, 468.

discussion of method of dealing with
46: 470-474.

etymologic interpretations of the
name 46: 381.

intellectual capacity of 46: 593-
602.

intertribal relations of 46: 403 *sq.*
mention of 4: 116, 119, 124.

names of the 46: 396.

origin of the 46: 395.

progress of the 46: 620-623.

strength of, compared with white
man's 46: 529.

territory occupied by 46: 396 *sq.*

traditional origin of the 46: 382.

See also **Assiniboin**.

Association Pictographs 4: 203-
206.

Assyrian Subjects, painted on cotton
34: 30.

Aster

use of 44: 307, 320.

used in folklore 30: 84.

used in medicine 30: 43.

Aster Foliacus 45: 461.

Aster Nemoralis, use of 44: 287, 360.

Aster Novae-angliae, use of 44:
287, 376.

Aster Puniceus, use of 44: 287, 376.

Aster sp., use of 33: 133.

Asthma among the Pima 26: 268.

Astor Library, visited 15: XL.

Astragalus Caroliniana 33: 91.

Astragalus Crassicaupus, use of 44:
287, 336, 356, 364.

Astragalus Decumbens 45: 514.

Astragalus Giganteus 45: 514.

Astragalus Purshii 45: 473, 504,
507, 516.

Astragalus sp. 45: 473.

Astrocaryum sp. *See* **Tucum**.

Astrology, stepping-stone to modern
science 19: 825 *sq.*

Astronomy

among the Tlingit 26: 427.

Eskimo ideas of 18: 449.

of the Hopi Indians 15: 259.

Astu'gatâ'ga, *Lieutenant*, death of
19: 170.

Astute, sign for 1: 305.

Asunâlgi

a Creek clan 42: 116, 119.

affiliations of 42: 121.

derivation of the name 42: 121.

Asuncion, Juan de la, explorations by
17: 51.

A Sure Revenge, an Iroquois tale
2: 104.

Ataakut, stick games of the 24: 233.

Atabâca Indians, beliefs of, as to
eclipses 30: 257.

Atabapo Indians, belief of, as to God
30: 117.

Atbi-hogandi, an Awatobi synonym
17: 594.

Ä'-tahâ-ik'-î, death of 17: 282.

Atahnam, a Yakima mission 14:
717.

Atahualpa, killed by Pizarro 14:
254.

Atagâ'hi, myths concerning 19: 321
sq., 461, 470.

Atakapa

belief of, in chief deity 42: 482.

cannibalism among the 42: 705,
713.

Cherokee relations with 19: 391.

cultural distinctions of 42: 712.

descent among, uncertain 42: 695.

Atakapa Language, grammatical
sketch of 39: 13.

Atakapan Group, linguistic relations
of 42: 678.

Atakullakulla

agreement with, for building forts
19: 40.

attempts to bring peace by 19: 42,
44.

offer of aid to Americans by 19: 54.

rescue of Captain Stuart by 19: 44,
203.

Ä'tânûm-'lëma, sketch of the 14:
738.

Atara, use or name. in Hako ceremony
22, ii: 44.

Atâsâ

carried in women's dance 42: 549.
the war symbol 42: 549.

See also War Clubs.

Atasi

allocation of clans in beds at 42:
201-204.

arrangement of square ground of
42: 219, 249, 250.

at Tukabahchee busk 42: 559, 568.

clan councils of 42: 125.

clans of, furnishing chiefs and heni-
has 42: 192, 194.

clans, phratries and moieties of 42:
159 sq.

headship of, among Tallapoosa towns
42: 310.

myths regarding 42: 69.

position of beds at 42: 198.

square of, described by Bartram
42: 183.

town emblem of 42: 243, 244.

Upper Creek Red town 42: 125,
255.

**Atchison and Pikes Peak Railroad
Company**, sale of land to 18:
826.

Atcukliba, name of lizard 42: 495.

Ätéstisti, treaty signed by, in 1867
17: 186.

Atfalti, population of 7: 82.

Athahachi, mention of mound at
42: 175.

Athapascan Indian

basketry of the 41: 134.

chart-making by 10: 341.

clothing of 18: 33 sq.

emblem of the 10: 612.

Eskimo name for 18: 307.

ethnologic specimens from 18: 21.

influence on Eskimo of 18: 23, 242.

practice of tattooing by 10: 395.

research among the 18: xxix.

social customs of the 18: 287.

Tewa name for 29: 573.

trading voyages by 18: 232.

woodworking by 18: 70.

See also Athapascans.

Athapascan Bibliography, work on
14: xlii.

Athapascan Dialects of Oregon, lin-
guistic study of 10: xix.

Athapascan Family 7: 51-56.

Athapascan Languages

bibliography of 13: xli.

sketch of Hupa 29: 18.

Athapascan Stock

games of the 24:

ring and pin 528.

stick games 227.

tribes of the 24:

Apache (Chiricahua) 385, 449.

Apache (Jicarilla) 345, 449.

Apache (Mescalero) 449, 803.

Apache (San Carlos) 86, 450.

Apache (White Mountain) 87,
450, 762.

Ataakut 233.

Chipewyan 272, 385.

Colville 457.

Etchareottine 272.

Han Kutein 272.

Hupa 91, 233, 542, 656, 763.

Kawchodinne 92, 272, 543.

Kutchin 272.

Miknotunne 236, 623.

Mishikhwutmetunne 236, 623.

Navaho 92, 346-349, 385, 457,
623, 628, 722, 763, 781, 804.

Sarsi 272, 460.

Sekani 97, 236.

Slaveys 544.

Takulli 97, 236 sqq., 272 sqq.,
409, 460 sq., 781.

Thlingchadinne 543.

Tlolding 238.

Tsetsaut 624, 767.

Tututni 239.

Umpqua 274.

Whilkut 239.

unknown to Omaha 27: 102.

Athapascan Tribes

absence of clans among 17: 227.
of Alaska, records of 23: xvi.

Athapascans

adopted from the Tlingit 26: 423.

character of the 26: 411.

language of the 26: 474, 485.

myths of the, reference to 11: 391,
484.

range of 26: 396.

relations of, with the Tlingit 26:
409, 413, 414.

stone ax of the 46: 147.

Athenaeus

- account of Telestes 1: 286.
- classification of gestures 1: 285.

Athens, Pa., vase from 20: 166.

Athens County, Ohio, mounds in 5: 47.

Athletic

- games of the Eskimo 18: 331.
- pleasures of 19: LXIII-LXVIII.
- sports of the Pima 26: 171-174.

Athletics, Indian 11: 321.

Athyrium Felixfemina

- medicinal constituents of 44: 304.
- medicinal properties of 44: 300.
- use of 44: 287, 248.

Atison, Pima village 26: 20.

Atkins, Dr. Francis H., on signs of Apaches 1: 325.

Atkins, J. D. C.

- on east Cherokee suit against main band 19: 152.
- recommendation for east Cherokee removal by 19: 177.

Atkins, Miss Julia S.

- appointment of 41: 73.
- resignation of 42: 19.
- work of 41: 71, 106, 116.

Atkinson's Camp, location of 37: 99.

Atl

- day symbol discussed 16: 237.
- day symbol, meaning of 16: 238.

Atlanta Constitution, on effect of Georgia anti-Cherokee laws 19: 118.

Atlanta Exposition

- Bureau exhibit at 16: LXXIX
- exhibits at 17: LVIII.

Atlantic Coast Pottery

- area covered by 20: 21.
- character of 20: 175.
- recentness of employment of animal figures in 20: 128.
- resemblance of Northwestern pottery to 20: 196.

See also **Florida Peninsula Pottery; Middle Atlantic Coast Pottery; South Appalachian Pottery.**

Atlantic and Pacific Slopes, distinctions between types of 12: 522.

Atlas

- mention of 46: 159.
- showing cessions of land 1: 252.

Atlin, a Clayoquot chief 24: 196.

Atnah Tribe, considered distinct from Salish by Gallatin 7: 103.

Atnik 46: 200, 208.

Atnuk, description of 18: 252.

Atocle

- derivation of 21: 71, 125.
- description of 21: 75, 76.
- participation in Powamû festival by 21: 67.

Atoko Clan, with the Patuñ clan 19: 595.

Atonement

- absence of belief in 11: 521.
- no conception of 46: 490.

Atorai Indians, belief of, as to petrification of body 30: 152.

Atosis, Abnaki myth of 10: 471.

Ä'to-t'aiñ

- a Kiowa chief 17: 338.
- death of 17: 343.

Atotarho, Stone-giant of the Iroquois 2: 53, 54.

Atriplex Bracteosa var., Pima food plant 26: 69.

Atriplex Canescens in Pima basketry 26: 135.

Atsi. *See* Arch, John.

Atsina

- Blackfoot name of Gros Ventres 14: 955.
 - Flathead name for 45: 302.
 - linguistic classification of 28: 234.
 - mention of 4: 108.
 - name of, in sign language 45: 147.
 - tribal signs for 1: 462.
- See also* **Gros Ventres.**

Attacapa

- linguistic material of 30: 19.
- research among 28: 12; 30: 18.

Attacapa Language, dictionary of 29: 13.

Attacapan Family 7: 56 sq.

Attachers, Cord, used by the Eskimo 18: 142-145.

Attack in War

- methods of, among Guiana Indians 38: § 762 sqq.
- Omaha preparations for making 3: 326.
- Omaha preparations for receiving 3: 313.

Attacus Orizaba, cocoons of 26: 169.

- Attakapa Language**, said to be spoken by the Korankawa 7: 82.
- Attalea Funifera** 38: § 72.
- Attalea Speciosa** 38: § 28, 387.
- Attawanhood**, sale of land by 18: 617.
- Attendants**
 of Cannibal 35: 856, 861.
 of dancers 35: 848, 873.
- Attendants at Feasts**
 duties of 37: 329.
 mention of 35: 438.
- Attendants of Chief** 35: 762 sq.
- Attendants of Host** 35: 758.
- Attention**, signal for 1: 539.
- Attikumaag**, Ojibwa treaty signer 14: 28.
- Atua'mih**, a Pit River band 14: 1052.
- Atwater, Caleb**
 compound vase described by 20: 138.
 describes shell necklace 2: 231.
 describes shell vessel 2: 197.
 on burial mounds 1: 117.
 on dice games of the Winnebago 24: 189.
 on duck in Winnipeg River 19: 1098.
 on racket of the Winnebago 24: 616.
 on running races of the Winnebago 24: 809.
 on synonym for Menomini Indians 19: 1048.
 on wild rice in Wisconsin River 19: 1034.
 on Winnebago storing food 19: 1071, 1072.
 quoted 12: 568, 569, 667, 716.
- Aua-tu-ui**, an Awatobi synonym 17: 594.
- Aubbenaubbee's Band**
 cession of reserve by 18: 758.
 reservation for 18: 740.
- Aubecuh**. *See* Abihka.
- Auctioneering**
 Zuñi, description of 23: 379.
 Zuñi, reasons for 23: 378.
- Audiencia**
 definition of 14: 472.
 expedition into new territory forbid-
 den by 14: 369.
 functions of the 14: 350.
- Audubon**, assisted by Denig 46: 381.
- Augmentation, Law of**, in primitive numbers 19: 839-842.
- Augur, Gen. G. C.**, treaty commis-
 sioner 17: 183.
- Auguries**. *See* Omens.
- Augusta, Ga.**
 intermingling of wares in mound
 near 20: 137.
 occurrence of Middle Mississippi
 types of pottery near 20: 80 sq.
 opening of path from Cherokee
 country to 19: 36.
 trail to 42: 775.
 treaty of, 1763 18: 637; 19: 45.
- Auk**
 a Tlingit tribe 26: 396.
 clans and house groups 26: 403.
 phratries and clans 26: 399, 412.
 population of 7: 87.
- Auk Indians**, Southeastern Alaska
 46: 33.
- Auk Point**, Indian remains at 46: 33.
- Aukelenuiaiku** 33: 625, 629, 636.
- Auklet**
 Eskimo clothing made from beak and
 skin of 18: 30, 31, 37.
 Eskimo fishing apparatus made from
 beak and skin of 18: 177-180.
 Eskimo methods of catching 18:
 133.
- Aunt**, status of 47: 238.
- Aurignacian**, affinities with Eskimo,
 Indian 46: 357.
- Aurora, Ind.**, mention of mounds
 around 42: 789.
- Aurora Borealis**
 a man-being in Iroquoian cosmology
 21: 156, 172, 175.
 belief concerning 42: 479.
 in Menomini myth 14: 210.
- Auroras**
 Eskimo belief concerning 18: 449.
 Eskimo myth concerning 11: 266.
 of the Ungava district 11: 173.
- Austin, Amory**, on composition of
 white rice 19: 1082.
- Austin, F. R.**, mounds on land of 12:
 163.
- Austin, Rev. Gilbert**, *Chironomia* 1:
 289.
- Austin, Tex.**, flint implements found
 near 40: 4.

- Australia**, petroglyphs in 10: 161-165.
- Australian Natives**
 ceremonial use of color by 10: 628.
 charm or fetish of 10: 504.
 conventional representations by 10: 652 *sq.*
 decoration of body with feathers by 10: 207.
 magic and initiation ceremonies of 10: 513 *sq.*
 message sticks of 10: 369 *sqq.*
 messenger of death of 10: 525.
 messengers and mode of invitation of 10: 368, 369.
 messengers of vengeance (*pinya*) of 10: 433.
 mourning ceremony of 10: 630.
 mythic personages of 10: 489 *sq.*
 pictographs on skins by 10: 219.
 scarification of 10: 416 *sq.*
 songs and song writers of 10: 250.
 war colors of 10: 633.
wommeras and clubs of 10: 753.
- Australians**
 gestures of the 1: 306.
 scaffold burial among the 1: 167.
 tattooing of the 4: 76.
 use of flakes among the 13: 172.
- Ausummowett**, sagamore of Aroo-saguntacook 43: 174.
- Authorities**
 cited, list of 14: 1104-1110.
 in sign language, list of 1: 401 *sqq.*
 made use of 42: 32.
 on Siouan cults 11: 361.
- Authority**
 in household 47: 477.
 political, of tribe 47: 478.
 symbols of 38: § 751.
- Authors**
 and works cited, list of 10: 777-808.
 quoted by Bancroft 4: 66.
- Autobiography of a Fox Indian Woman** 40: 291-349.
- Autochthony** of the Seri Indians 17: 12, 268*.
- Autogenous Similarities** 3: LXVI.
- Automatons** of the Eskimo 9: 372 *sq.*
- Autonomy**, waning, of Cherokee 19: 153-157.
- Autossee**, battle at 19: 92.
- Autowwe**, reservation for 18: 674.
- Ava**, Ill., petroglyphs near 10: 77.
- Avate Hoya**, appearance of, in connection with Humis katcina, in Pamürti 21: 27.
- Avavares**, mention of 42: 739.
- Avebury**, *Lord*. See **Lubbock**, *Sir John*.
- Avens**, use of 44: 289, 356; 45: 464, 476, 493, 504, 506, 507.
- Averill**, A. B., material collected by 24: 158.
- Avery**, *Mrs. A. C.*
 acknowledgments to 19: 13.
 on Cherokee part in Civil War 19: 169.
 on Col. W. H. Thomas 19: 162.
- Avian Figures**. See **Bird Designs**.
- Avila**, **Pedro de**, ringleader in rebellion at Suya 14: 533.
- Avila y Ayala**, *Fray Pedro de*, missionary at Zuñi 13: 329.
- Avoca**, N. C., coiled pottery from 4: 277.
- Avocado Pear** cultivated by Guiana Indians 38: § 246.
- Avocations**. See **Occupations**.
- Avoidance** of personal names by the Indians 4: 171.
- Avoyel Indians**, reference to 42: 692.
- Avunculate** among the Tsimshian 31: 425.
- Awa** 33: 619, 651, 661.
- Awakokshu**, the holy place 22, ii: 283.
- Awallache** land cessions and reservations 18: 780.
- Awani**
 games of the 24:
 dice games 143.
 shinny 630.
- A'wanita**, or Young Deer, Cherokee formulas furnished by 7: 316.
- Awata Clan**, same as Pakab Clans 19: 608 *sq.*
- A-wa-te-u**, an Awatobi synonym 17: 594.
- Awatobi**
 advent of Patuñ clans at 19: 595.
 and Sikyatki pottery compared 17: 659.

Awatobi—Continued

- arrowshaft and polishers from 17: 611, 731.
- destroyed in 1700 15: 305, 310.
- destruction of, referred to 19: 865.
- disposal of dead 28: 117, 118.
- etymology of 17: 594.
- founded by Pakab-Awata clans 19: 609.
- germ-god of 21: 38.
- introduction of Owaküiti into 21: 58.
- legend of destruction of 17: 602.
- massacre at 21: 74.
- migration of the people of, to Middle Mesa 21: 104.
- population of 17: 637.
- pottery of 28: 139, 141, 156.
- probable home of Pakab clans 19: 608.
- reasons for excavating 17: 591.
- representation of Deer katechins from 21: 103.
- ruins of, examined 17: 535.
- settlement of Sikyatki people at 17: 634.
- settlement by Küküchomo and Sikiyatki people 17: 596.
- visited in 1540 17: 596.
- work at 17: xxxix.
- See also Pakab Clan.*

Awatobi Maid

- birth of child by 21: 104.
- meeting of Alosaka with 21: 121.

Awatobi Soyok taka

- derivation of 21: 71.
- description of 21: 74.
- participation in Powamû festival by 21: 67.

Awatobi Soyok wüqti

- description of 21: 75.
- participation in Powamû festival by 21: 67.

Awatûbi, an Awatobi synonym 17: 594.**Awatubi**

- attacked by the Walpi 8: 34.
- clay tubes used as roof drains at 8: 155.
- description of ruins of 8: 49, 50.
- fragments of passage wall at 8: 181.
- possession of sheep by 8: 50.
- settlement of the Asa at 8: 30.

Awatubi—Continued

- Spanish mission established at 8: 22.
- survey of 8: 14.
- when and by whom built 8: 29.
- Awatui pottery** 4: 493.
- Á-wat-u-i**, an Awatobi synonym 17: 594.
- Áwîk'!Ēnox**, origin of abalone names of 35: 1261.
- A'wini'ta**, myth told by 19: 454.
- A'wisho**. *See Mythology.*
- Áwisho téhuli** of Zuñi mythology 13: 383.
- Áwitelin Tsíta** of Zuñi mythology 13: 379.
- Áwiten Téhu'hlnakwi** of Zuñi mythology 13: 379.

Awl

- game, of Plains tribes 14: 1002 sq.
- Indian term for 41: 392.
- manner of using 41: 160.
- See also Awls; Perforator.*
- Awl game**. *See Ahl Game; Awl (game).*

Awls

- bone 44: 106 sqq.
- bone, from Awatobi 17: 627.
- bone, from Pueblo ruins, description of figures of 22, i: 94.
- from Guadeloupe 34: 135.
- of the Eskimo 9: 181, 182; 18: 81, 106, 108.
- of the Nenenot 11: 318.
- of the Seri 17: 230*.
- wooden 44: 165.

Awnkote

- purchase of reserve for 18: 750.
- reservation for 18: 724.

Áwonawílona of Zuñi mythology 13: 379.**A'wonawil'ona**, Description of. *See Mythology.***Ax, John**

- Cherokee story-teller 19: 229.
- information furnished by 24: 475.
- myths told by 19: 430, 431, 435, 436, 438, 440, 448-452, 454 sqq., 460, 462, 463, 466, 471, 473, 476, 477, 481.

Ax-like Instruments, described 15: 90, 92.**Axa**, province of, in Great Plains 14: 492.

Axes

- aboriginal method of making 15: 68.
- absent from Porto Rico collection 34: 131.
- anchor 34: 148.
- asymmetrical 34: 102 *sqq.*, 138 *sq.*
- boulders used for 15: 142.
- ceremonial 11: 454; 34: 133, 142.
- characteristic of Lesser Antilles 34: 174, 180.
- collection of Indian 3: 521.
- copper, types of 37: 88.
- double-edged 46: 82, 135, 147 *sqq.*
- eared 34: 108 *sq.*, 139-143.
- eared, where found 34: 59, 93.
- engraved 34: 109 *sq.*, 144-147.
- Eskimo 18: 88, 91, 92; 46: 67, 69, 82, 87.
- from Dominica 34: 125.
- from Great Cayman 34: 258.
- from Guadeloupe 34: 132 *sq.*, 138-143.
- from St. Lucia 34: 131.
- from St. Vincent region 34: 94-104, 108 *sqq.*
- from Tobago 34: 78.
- grooved 34: 101 *sq.*, 145.
- grooved, described 13: 62.
- grooved, development of 15: 98.
- grooved, material used in making 15: 141.
- grooved, nomenclature of 13: 62.
- how finished 15: 26.
- ivory 46: 149.
- jadeite, near Barrow 46: 319.
- material of 30: 127.
- materials used in making 15: 99.
- notched 34: 74, 78.
- of Spanish type recovered from mound 48: 4.
- of the Omaha 13: 278.
- of unusual size 34: 130.
- on the Yukon, at Burchell's 46: 46.
- perforated 34: 147 *sq.*
- produced by flaking 15: 26.
- remodeled for steatite working 15: 126, 127, 130, 131, 132 *sq.*
- Ruby 46: 48.
- sign for 1: 386.
- stone 42: 689 *sq.*
- stone, Anchorage, Chitna 46: 148.
- stone, Casa Grande 28: 123 *sq.*
- stone, from Awatobi 17: 625.

Axes—Continued

- stone, from Homolobi, figure showing 22, i: 102.
- stone, from Wolpi 2: 375.
- stone, from Zuñi 2: 320, 327.
- stone, in Sikyatki graves 17: 730, 731.
- stone, of Guiana Indians 38: § 6, 7. Tanana 46: 43.
- tortoise shell 38: § 10.
- typical of Lesser Antilles 34: 146, 262.
- used as pottery polishers 13: 99.
- winged, from Tobago 34: 78.
- with animal head on poll 34: 140.
- with caps 34: 100 *sq.*
- with regular margins 34: 138.
- Yukon 46: 134, 135, 145, 146, 147, 148.
- See also Celts.*
- Aya**, description of 21: 114.
- Ayasta**, Cherokee manuscript obtained from 7: 313.
- Ayâ'sta**, Cherokee story-teller 19: 237.
- Ayer Collection of Americana**, reference to 42: 680.
- Ayllon**
 - on gigantic Indian 19: 501.
 - version of Tsundige'wi myth by 19: 471.
 - visit to Georgia coast by 19: 193.
- Aylor, H. I.**, steatite quarry on farm of 15: 132.
- Aymamon**, a Porto Rican cacique 25: 38 *sq.*
- A'yûñ'iní**. *See Swimmer.*
- A'yû'n'iní**, or Swimmer, Cherokee manuscript obtained from 7: 310 *sqq.*
- Ayutan**
 - a synonym of Comanche 14: 1043.
 - identification of 17: 167.
- Ay-Ay**, name for St. Croix 34: 166.
- Azachagiag** 46: 200.
- Azachagiak** 46: 197.
- Aziag or Aziak**, Sledge Island 46: 89, 197, 200.
- Aziags** 46: 89.
- Aziak Island**. *See Sledge Island.*
- Aztalan**, description of 37: 88 *sqq.*
- Aztec**
 - and British obsidian flakes compared 13: 59.
 - dice games of the 24: 160.
 - inscription, Mexico 10: 133 *sq.*

Aztec—Continued

- myths of 19: 431, 451, 466.
- or Nahuatl method of forming numerals above ten 19: 882-885.
- picture, suggestion of, by picture of Kwahu 21: 77.
- references to 28: 54, 186.
- ruined structures attributed to the 8: 225.
- spirits of 30: 171.
- symbolic colors among 11: 532.
- traditional association with Casa Grande 28: 33.
- use of masks among 47: 902, 903.
- warriors, allies of Spaniards in Mixton wars 14: 410.
- writing 4: 14.
- See also Mexico, ancient inhabitants.*

Aztec Pass

- fort below 28: 210 sq.
- origin of name 28: 208.
- references to 28: 206, 207, 211.
- road through 28: 204.

Aztec Springs Ruin 4: 319.**Aztecs**

- and Taracos, burial sacrifice of 1: 190.
- cliff ruins attributed to 16: 191.
- culture of the 14: 658.
- human sacrifice among 47: 847, 903.
- pictured on Acoma walls 47: 27.

Azul, Antonio

- account of 26: 17, 196.
- campaign described by 26: 202 sq.
- cited on Apache raids 26: 201.
- cited on mountain sheep 26: 82.
- first Pima adobe house built by 26: 153.
- information furnished by 26: 18, 36.
- on location of Elder Brother's house 26: 225.
- Pima head chief 26: 21.

Azul, Culo, Pima head chief 26: 158, 196.**Azuza Canyon, Calif.**

- pictographs 4: 37, 156.
- rock paintings in 10: 69, 354 sqq.

B**Ba'achinēna, name of the Northern Arapaho 14: 954, 1014.****Bäaku'ni, Arapaho name of Paul Boynton 14: 971.****Baat, legendary Pima maiden 28: 52.****Babacomori Valley, field work in 22, i: XIII.****Babbitt, Irving, acknowledgments to 14: 552.****Babe, clay figure of, eastern United States 20: 40, 41.****Babies**

- binas for 30: 187, 286, 288.
- manner of carrying 41: 211.

Babine, hand game of the 24: 273.**Babí'pa, treaty signed by, in 1867 17: 186.****Baboons**

- flexing of hands 30: 209.
- legends concerning 30: 150 sq., 209 sq., 211, 222, 231, 232 sq., 292 sq., 363.

Baboquivari Mountain, in Pima mythology 26: 224, 225.**Babracote**

- camudi and, legend of 30: 261.
- description of 30: 385.
- mention of 38: § 163, 333.
- star named for 30: 261 sq.

Baby. *See* Īāpa.**Baby Board**

- articles fastened to 47: 134.
- material used for 47: 135.
- See also Cradle Board.*

Baby Carriers

- beaded work on 41: 211.
- coils of 41: 165.
- decoration of 41: 210 sq.
- description of 41: 210 sq.; 45: 166 sq., 279 sqq., 381.
- shape of 41: 211.
- structure of 41: 174.
- term for 41: 397.

Baby Hanging Chair, mention of 38: § 913.**Baby Sling**

- mention of 38: § 55.
- string figure 38: § 704.

Baby Spirit

- explanation of 30: 324 sq.
- identity of 30: 169, 325.

Babylonians

- significance of color among 10: 622.
- use of color among 4: 54.

Baca Grant, reference to 28: 208.

- Bacallaos**, name applied to New-foundland 14: 513, 526.
- Bacharis Glutenosa**
building material 26: 156.
in pottery making 26: 127.
- Bache, Franklin**, cited 30: 62.
- Bachelors** forbidden to hold land in America 14: 374.
- Bachillier y Morales, Antonio**
Antillean language studied by 25: 77.
citing Müller on dance plazas 25: 80.
citing Perez on *areito* 25: 69.
on Antillean name for creator 25: 55.
on Cuban caneys 25: 82.
on Fernando Columbus 25: 55.
on human bones found in Porto Rico 25: 29.
work of, on Cuban ethnology 34: 248.
- Back**, —, cited 6: 485.
- Back Ornaments** 38: § 537.
- Back Protector** 35: 142.
- Back Scratchers**, used by the Eskimo 18: 310.
- Backlund, Charles** 46: 75.
- Backus, Maj. E. (U. S. A.)**
on hoop and pole of the Navaho 24: 460.
quoted on magic powder of the Indians 9: 513.
- Bacon, J. L.**, mound on land of, in Tennessee 12: 377.
- Bacon's Collection of Laws**, extract from 18: 571 *sq.*
- Bacqueville de la Potherie**
on jugglery among Hudson Bay Indians 14: 140.
on snow-snake of the Hurons 24: 409.
- Bactris** 38: § 246.
- Bacuache River.** *See* **River Bacuche.**
- Bad**
pictographs for 10: 586.
Serian and Yuman words meaning 17: 337* *sq.*
signs for 1: 411.
- Bad Animal**, Assiniboin war leader 46: 402.
- Bad Back.** *See* **Chónshitá.**
- Bad Faces**, an Arapho division 14: 957.
- Bad Hearts**, possibly the Kiowa Apache 17: 246.
- Bad Lands**
flight of Sioux to 14: 850, 851, 861, 884.
return of Sioux from 14: 868.
Sioux in, surrounded by troops 14: 866.
- Bad Pipes**, an Arapaho division 14: 956.
- Bad River Reserve**
change in 18: 856.
establishment of 18: 795.
- Bad Village**, account of 27: 85 *sq.*, 99.
- Badge.** *See* **Tiponi.**
- Badger**
account of, by the Pima 26: 80.
beliefs concerning 42: 644.
destruction of mounds by 33: 185, 188.
diseases caused by 26: 262.
in Menomini myth 14: 133.
in Pima mythology 26: 216.
in Pima song 26: 301, 321.
in Tewa conception 29: 43.
myths concerning 11: 37, 152.
- Badger Clan**
association of, with fire 47: 959.
ceremony by man of 23: 202.
connection of, with Pamürti mask used in personating Nakiatcop possessed by 21: 86.
reference to 47: 959.
See also **Honani Clan.**
- Badger People**
leave Walpi 8: 31.
settle Sichomovi 17: 578.
- Baegert, Jacob**
map by 17: 66.
on Californian food habits 17: 209*-212*.
on Lower California tribes 26: 35 *sq.*
on saguaro harvest in California 26: 72.
- Baelz, E.**, mention of 46: 367.
- Baer**, —, 46: 334.
- Baer, Erwin**, with archeological expedition in 1895 17: 527.

Baer, John L.

- collections made by 41: 95, 116.
- information from 42: 760.
- investigations made by 41: 68 sq.
- work of 41: 92.

Baffin Land

- basiofacial diameters 46: 280, 281.
- crania from 46: 257, 260, 262, 263, 264.
- description of 6: 415, 416.
- distribution of tribes in 6: 421-444.
- Eskimo of 46: 328.
- Eskimo population of 7: 75.
- facial 46: 266.
- facial angles of the people of 46: 285.
- nose of people of 46: 268, 270.
- traditions of, with comparisons 6: 641 sqq.
- See also* Eskimo.

Bag

- mention of 38: § 388.
- of sea lion hide 35: 109.
- See also* Bags; Beaded Bag; Medicine Bag.

Bagre, Silurus

- caught with red cloth 38: § 189.
- knocked over with cudgels 38: § 190.

Bags

- decoration of 45: 48 sq., 219, 220, 221, 226.
- designs on 41: 360.
- Eskimo, for clothing 18: 43 sq.
- Eskimo, for lance points 18: 146.
- Eskimo, for tobacco 18: 284 sq.
- Eskimo, for tools 18: 93.
- Eskimo, for water and oil 18: 73 sq.
- for tobacco 9: 68 sq.
- for tools 9: 187-190.
- grass, made by the Eskimo 18: 203 sq.
- hunting, used by the Eskimo 18: 166-169.
- materials used for 45: 47-51.
- ordeal of the sacred 3: 328.
- ornamentation of 41: 362 sq.
- rawhide 45: 221, 327.
- shapes of 45: 219.
- skin 45: 49 sq.
- technique of weaving 41: 138 sq.
- woven 45: 47 sqq., 219, 220, 327.
- woven, description of 13: 33, 34; 41: 354.

Bags—Continued

- woven, general use of 41: 138.

Bahakosin, Caddo name of the Cheyenne

- enne 14: 1023.

Bahama Islands

- aborigines of the 25: 30, 218.
- cultural relations of 34: 267.
- number of specimens from 34: 50.
- petroglyphs in 10: 137 sqq.
- pictography of the 25: 148.
- slavery in 25: 23, 25.

Baho, use of, in kiva consecratory ceremonies

- 8: 119 sq., 129, 130.

Bahwetegow - ěninnewug, Ojibwa name of the Gros Ventres

- 14: 955.

Bail, Wapishana name for arrow

- 38: § 128.

Bailer, for Eskimo umiak

- 9: 340, 341.

Bailey, Vernon, petroglyphs reported by

- 10: 117.

Baily, Francis, journey of

- 42: 835.

Bainbridge, Pa.

- designs from vases from 20: 171.
- pipes from 20: 173.
- pottery from 20: 165.

Baird, Prof. Spencer F.

- acknowledgments to 9: 19, 20; 13: 378; 18: 22.
- discovery of Iroquoian pottery by, near Ipswich, Mass. 20: 168.
- facilitated study of masks and labrets 3: 151.
- identifies tooth found in mound as that of a hog 12: 715.
- mention of 48: 1187.
- on contour of Porto Rico 25: 129.

Baird and Girard, on nomenclature of fishes

- 26: 83.

Bait

- artificial fly 38: § 192.
- clams used as 35: 162.
- cockles and clams for 35: 178.
- for fish, Eskimo 18: 175, 177 sqq., 181, 183, 195.
- for fishhooks 35: 179.
- for fish traps 35: 162, 182.
- for halibut fishing 35: 1320.
- mussels used for 35: 182.
- red macaw feathers 38: § 192.
- sea eggs used for 35: 182.
- seeds for 38: § 188.

- Bakah**, definition of 16: 262.
- Bakairi**, number names of 19: 877.
- Baker, Emma**, mention of 43: 216, 224.
- Baker, Frank**, cited on "Hand of Glory" 9: 486.
- Baker, Marcus** 46: 178, 181, 184.
- Baker, Samuel**, cited on African customs 9: 489.
- Baker Creek** 46: 126.
- Baker's Ranch House**, ruins near 28: 201 sq.
- Baking**
 Catawba method of 20: 53, 54 sq.
 Cherokee method of 20: 56.
 eastern United States methods of 20: 52 sq., 54 sq., 56, 57, 58, 59, 60.
 eastern United States pottery, degree of 20: 49.
 effect of, on fiber tempering 20: 121.
 effect of, on shell tempering 20: 48.
 Florida peninsula pottery 20: 117 sq., 124.
 Iroquoian pottery 20: 161.
 Middle Atlantic Coast pipes 20: 158.
 Middle Atlantic Coast pottery 20: 155.
 Middle Mississippi Valley pottery 20: 84.
 origin of 9: 542
- Baklum-Chaan**, a Mayan deity 16: 225.
- Bal, Juan de**
 killed by the Zúñi 13: 330.
 missionary at Halona 13: 329.
- Balam** day symbol discussed 16: 248.
- Balata**, *Mimusops* sp.
 bark for wood-skins 38: § 798.
 cement 38: § 23.
 for stone chip graters 38: § 335.
 fruit of, eaten 38: § 247.
- Balbancha**, old name of New Orleans 44: 180.
- Balbas**, *Señor*, elbow stone owned by 34: 209.
- Balboa, Vasco Nuñez**
 cited on Indian medicine men 9: 467.
 cited on Peruvian festival 9: 527.
 ornaments captured by 6: 35.
- Balche**, a ceremonial drink 16: 253.
- Balconies**
 description of, in Pueblo houses 14: 523.
 notched and terraced 8: 187.
- Bald Friar Rock, Md.**, petroglyphs on 10: 83-86.
- Bald-hip Rose**, use of 45: 487, 488, 493, 495, 498, 504.
- Bald-hip Roseberry**, use of 45: 489.
- Bald Mountain**, myth concerning 19: 299.
- Baldness**, absence of 30: 176.
- Baldwin, Reverend** 45: 31, 87, 90, 172, 175, 181.
- Baldwin, C. C.**
 identifies Ohio mound-builders with Indians 12: 600.
 Pottawatomie surface burial 1: 141.
- Baldwin, Lieut. F. D.**
 fight with Cheyenne by 17: 211.
 Kiowa agent in 1894 17: 226.
 rescue of Germaine girls 17: 213.
- Baldwin, J. D.**
 cited 12: 564, 601, 602, 615.
 identifies mound-builders with Toltecs 12: 599.
 on mound-builders 5: 83.
- Balearic Islands**, cairn burial 1: 143.
- Balfour, Henry**, examination of quarry shops by 15: 52.
- Ball, J.**, survey by 18: 826.
- Ball**
 clay, for eating 38: § 253.
 game during Pontiac conspiracy 14: 130.
 game in Menomini myth 14: 166.
 game of the Menomini 14: 127-136, 244.
 game of the Guiana Indians 38: § 602-606.
 games played by the Eskimo 18: 336 sq.
 general description of 24: 561 sq.
 implements of 24: 33.
 leaf-strand figure 38: § 621.
 mystic, in Menomini myth 14: 224.
 of the Arapaho 14: 964.
 Omaha woman's game of 3: 338.
 or Creek game, description of 42: 456.
 or Creek game, supernatural object in 42: 492.

Ball—Continued

stone, from Barbadoes 34: 86.
 used in primitive football 11: 257.
See also Ball game; Balls; Racket;
 Shinny; etc.

Ball Carrier, folk-tale of the 14: 223.

Ball Courts

of Porto Rico 34: 170 sq.
See also Juegos de bola.

Ball Game

adornment for 42: 460, 463, 465.
 among East Cherokee 19: 170.
 among Western Cherokee 19: 146.
 at adoption feast 40: 361.
 at Tuskegee busk 42: 585.
 challenge to play 32: 234.
 Chickasaw 42: 456 sqq.
 Creek 42: 458 sq.
 description of 27: 169, 197 sq.;
 42: 60 sq., 456-466; 44: 24;
 46: 565 sq.
 double, played by women 40: 363.
 fighting at 42: 463 sq.
 figurative use of expression 19: 433.
 girls' 47: 239.
 in Tusayan 15: 290.
 legend connected with 19: 384.
 managed by war officials 42: 297.
 mythical origin of 14: 131; 42: 55, 157.
 myths and lore concerning 19: 262, 286 sq., 308, 312 sq., 369, 454.
 rites and practices connected with 19: 230, 262, 422, 425, 471.
 sacred character of 14: 135.
 single pole 42: 467 sq.
 won by dog dressed as man 32: 235.
See also Ball; Balls; Games; Hidden Ball; Seed Ball.

Ball Juggling

played by the 24:
 Achomawi 712.
 Bannock 712, 713.
 Eskimo 713.
 Eskimo, Central 712.
 Eskimo, Ita 712.
 Nascapsee 712.
 Paiute 713.
 Shoshoni 712, 713.
 Ute 712, 713.

Ball Juggling—Continued

played by the 24—continued.
 Ute Uinta 713.
 Zuñi 712, 714.

Ball Posts

ceremony of erecting 42: 544 sq.
 emblems on 42: 244.

Ball Posts, Single. *See* Chunk Pole.

Ball Race

common to the 24:
 Bannock 666, 678.
 Cocopa 666, 681.
 Cosumni 669 sq.
 Hopi 666, 678 sq.
 Keres 666, 668 sq.
 Maricopa 666, 681.
 Mohave 666, 668.
 Mono 666, 679.
 Navaho 666, 668.
 Opata 666, 670.
 Papago 666, 670 sq.
 Pima 666, 671 sq.
 Southwestern tribes 665.
 Tarahumare 666, 672-677.
 Tewa 666, 680 sq.
 Wasama 670.
 Yuma 666, 682.
 Zuaque 666, 678.
 Zuñi 666, 668, 682-697.

Ball Sticks

description of 42: 456, 459.
 legendary use of 42: 52.

Balliceaux, Island of

excavations in 34: 10.
 number of specimens from 34: 49.

Balloo, definition of 16: 252.

Ballou, Prof. Howard M.

acknowledgment to 29: 19.
 bibliographic research on Hawaii by 31: 8; 32: 10.
 compilation of bibliography by 34: 25; 36: 28.
 preparation of list of works relating to Hawaii 32: 29.
 search for titles for list of works relating to Hawaii 33: 32.
 work of 30: 10, 17.

Balls

stone, from Casa Grande 28: 93 sq., 131.
 stone, from Pueblo Viejo ruins 22, i: 183.
See also Ball; Ball Game; Ball Race; etc.

Balsa

Seri, characters and construction of 17: 10, 216*-221*.

Seri, decoration of 17: 173*.

Seri, methods of propulsion of 17: 219*.

Seri, Von Beyer's drawings of 17: 106.

See also Navigation.

Balsam

mention of 38: § 23.

use of, in basketry 41: 145.

Balsam Fir

use of 44: 286.

See also Abies Balsamea.

Balsaminacae 33: 101.

Balsam Lake Region, Ontario, Iro-
quoian pottery from 20: 170.

Balsam Poplar

use of 44: 291; 45: 497.

See also Populus Balsamifera.

Balsam Root

beliefs concerning 45: 509.

use of 45: 478, 480, 484, 491, 493.

Balsamorhiza 45: 478.

Balsamorhiza Sagittata 45: 480,
484, 491, 493, 509.

Balsas, Rio de las, crossed by Coro-
nado on rafts 14: 586.

Baltazar de Castro, on Carib in
Porto Rico 25: 28.

Baltimore, Lord

charter to 18: 551, 569.

grant of land by 18: 573.

Bamboo

arrow poison 38: § 123, 217.

box made of 38: § 385.

flute made of 38: § 560 *sq.*

knife made of 38: § 14, 516, 905.

spirits associated with 30: 228, 233.

Banab

string figure 38: § 676.

temporary shelter 38: § 293.

Banak, tribal signs for 1: 462.

Banana, cultivated by Guiana Indi-
ans 38: § 246, 268.

Banana Bay, mound at 34: 89.

Bancroft, George

cited on Cherokee habitat 7: 78,
79.

linguistic literature 7: 13.

on French and Indian war 14: 663.

on the Lenape 14: 663.

Bancroft, George—Continued

quoted on Colonial Indian policy
18: 601, 631.

Bancroft, Hubert H.

cited 12: 601, 602, 672, 726; 30:
238, 268, 294, 323, 327, 329, 331,
333, 338, 366, 370.

cited as an authority 28: 45.

cited on Indian medicine-men 9:
457, 511.

cited on Indian cakes 9: 524.

cited on Indian use of feathers 9:
534, 535.

cited on mutilation by Indians 9:
491.

cited on scratching by Indians 9:
524.

citing Coutts on Pima 26: 31.

cliff ruins described by 16: 81.

linguistic literature 7: 24.

mention of 46: 150, 218.

mentions authorities on calendars
3: 55.

mistake in dating Alvarado's report
14: 391.

notes on Seri by 17: 104 *sq.*

on Acoma 29: 543, 545.

on Acaxea medicine tubes 13: 127.

on burial sacrifice 1: 190.

on Cabeza de Vaca's route 14: 348.

on canoe burial in ground 1: 112.

on Cempoalan ruins 25: 233, 236.

on Civil War in far Southwest 26:
48.

on Cochiti 29: 439, 440.

on conditions surrounding Pima
26: 32.

on Costa Rica hut burial 1: 154.

on destruction of Awatobi 17: 601.

on diary of Mange 13: 296.

on Escalante expedition 17: 61.

on Eskimo burial boxes 1: 155.

on flood of September, 1868 26: 53.

on Huavan numbers 19: 918.

on Huitzilopochtli and description of
the same 1: 231.

on Jemez 29: 403.

on Maya hieroglyphics, mode of read-
ing 1: 223.

on meaning of Mayan number names
19: 876.

on Mexican grant to Cherokee
19: 143.

Bancroft, Hubert H.—Continued

- on migrations of the Tanoan 19: 611.
- on mourning of the Central Americans 1: 185.
- on Nootka bird-bone drill 13: 165.
- on Pecos 29: 474, 476, 477.
- on pictography 4: 64, 65, 66, 73, 78, 88.
- on Picuris 29: 193.
- on Pima burials 1: 98.
- on Pogueate 29: 539.
- on Puaray 29: 524.
- on racket, Topinagugim 24: 597.
- on ruins in Vera Cruz 25: 231.
- on Sandia 29: 527.
- on Santo Domingo 29: 449.
- on Sedelmair's account of Casa Grande 28: 56.
- on scalping by the whites 19: 209.
- on Shasta stone-chipping 13: 141.
- on Sia Indians 29: 518, 519.
- on superstitions regarding the dead 1: 201.
- on Tesuque 29: 388.
- on Yuma-Pima battle 26: 47.

Bancroft Library of the University of California, mention of 44: 57.**Band, G. H.**, mention of 1: 229.**Band, Forehead** 38: § 530.**Band, Horizontal**, discussion of 41: 263, 273.**Bandarilla, Mexico**, ruins at 26: xv.**Banded Masonry** 8: 145.**Bandelier, Dr. A. F.**

- Cibola identified by 17: 595.
- cited 29: *passim*. See Index to Vol. 29, pp. 619 *sqq.*, where A. F. B. is cited 423 times.
- cited as to Coronado expedition 28: 54.
- cited on Pueblo ceremonies 15: 268.
- citing Kino on Gila flood 26: 67.
- citing Walker on Pima mythology 26: 221.
- classification of Seri by 17: 108.
- collection by, in Peru 16: xxxi.
- description of Casa Grande by 13: 297; 28: 69 *sqq.*
- description of chimney by 8: 173.
- discussion of Indian legends by 14: 345.

Bandelier, Dr. A. F.—Continued

- explorations of 8: 197.
- identification of Chichilticalli by 14: 387, 516.
- identification of Hawikuh-Granada by 14: 489.
- identification of pueblos by 14: 511, 524.
- identification of Rio Vermejo by 14: 482.
- identification of Vacapa by 14: 355.
- identifications by 17: 51, 52, 55, 56.
- on Acoma 14: 490.
- on ancient Pueblo population 13: 259.
- on ancient stone inclosures 8: 216.
- on Arizona Indian liquor 14: 516.
- on ball race of the Opata 24: 670.
- on Cabeza de Vaca's route 14: 347.
- on classification of Pueblo ruins 16: 89.
- on cliff houses near Salt River 26: 144.
- on Cochiti Indian weaving 3: 361.
- on Coronado's route from Culiacan 14: 386.
- on date of Coronado's departure 14: 382.
- on defense of veracity of Friar Marcos 14: 363.
- on foundation of Josoge 19: 611.
- on Indian giants 14: 485.
- on Ispa and Guagarispa 14: 585.
- on (*Friar*) Juan de la Asuncion 14: 353.
- on location of Chichilticalli 13: 296.
- on location of Quivira 14: 397.
- on location of Tiguex and Cicuye 14: 491.
- on Indian government and estufas 14: 520.
- on Matsaki 14: 517.
- on Mexican mounds 14: 517.
- on name Cicuye 14: 523.
- on name Teya or Texia 14: 507.
- on name Tutahaco 14: 492.
- on Opata poison 14: 538.
- on patol of the Opata 24: 146.
- on Petlatlan 14: 515.
- on Pima Indians 28: 69-72, 152.
- on Pima traditions 26: 24.

Bandelier, Dr. A. F.—Continued

- on Pueblo Indian life and government 14: 561.
 - on Pueblo Indian pottery 4: 298.
 - on record of Awatobi destruction 17: 610.
 - on route of Friar Marcos 14: 358.
 - on Seven Cities 14: 473.
 - on Southwestern cliff dwellings 13: 347.
 - on the Keres 7: 83.
 - on Topira 14: 476.
 - on Yuqueyunque 14: 510.
 - petroglyphs reported and sketched by 10: 98, 131.
 - Pima Casa Grande tradition by 13: 319.
 - Pima legend from 28: 45.
 - Querechos identified with Apaches by 14: 396.
 - quoted on Sia Indian history 11: 11.
 - researches in Southwestern history 14: 339.
 - shinny mentioned by 24: 631.
 - Turk Indian considered to be probably a Pawnee by 14: 394.
 - use of sources of Coronado expedition by 14: 414.
- Bandola** 38: § 560.

Bandoleers

- appearance of, in pictures of Hopi katechins 21: 91, 97, 99, 104, 106, 108, 111, 120.
- description of 37: 109.
- in Oraibi dance 16: 293, 294.
- of Bow priests, description of 47: 871.
- of Bow priests, power of 47: 666.
- used by priests in Snake ceremonies 19: 971, 972.

Bands

- composition of 45: 150; 46: 431.
- groups of 45: 38, 150.
- merged in tribe 45: 156.

Baneberry

- use of 44: 286; 45: 463, 512.
- See also Actaea Rubra.*

Banghart Ranch, reference to 28: 201.**Bank Swallow** as a symbol 39: 50.**Banks**, cutting of, by streams 46: 136.**Banner Stones**

- described and figured 13: 120.
- discovery of 41: 69.
- found at Knap of Reeds 42: 776.

Bannock

- and Paiute affinity 14: 1048, 1051.
- chronology 17: 372.
- early knowledge of Messiah by the 14: 802.
- Flathead names for 45: 301.
- former habitat of the 7: 108.
- games of the 24:
 - ball juggling 712 sq.
 - ball race 666, 678.
 - dice games 159.
 - hand game 307 sqq.
 - hoop and pole 495.
 - stone throwing 728.
 - tops 742 sq.

Ghost dance among the 14: 785, 805, 807.**hunting grounds** of the 45: 305.**land cessions and reservations** 18: 846, 850, 878, 898, 904, 906, 926, 928.**linguistic affinity** of the 14: 525.**Messiah delegates** among the 14: 894.**Mormon emissaries** among the 14: 704.**Omaha name** for 27: 102.**population** of the 7: 110.**Porcupine's visit** to the 14: 793.**present habitat** of the 14: 806.**reception** of the, into Mormon church 14: 790.**Tävivo** among the 14: 701.**visit** of Apiatañ among the 14: 911.**visit** of, to Wovoka 14: 818.**wars** of, with the Flathead 45: 361.**Bannock Jim**, Wovoka confounded with 14: 765.**Banqueting House**, mentioned by Bartram 42: 183.**Banquette****in house circle** 41: 528.**indication** of 41: 504.**Bantry Bay, Australia**, petroglyphs at 10: 164 sq.**Bañuelos, B.**, miner of Zacatecas 14: 538.**Bao.** *See* Guñsádalte.

Ba'-po Subgens

- explanation of the name 43: 59.
- office of the 43: 91.
- origin story of 43: 90.

Baptisia, medicinal use of 42: 658.

Baptisia Bracteata 33: 90.

Baptism

- as practiced by Peyote cult 37: 389, 395.
- Cherokee 26: 188.
- how received by the Zuñi 13: 327, 333, 335.
- opposed by the Hopi 17: 601.
- Pima 26: 188.
- Zuñi 26: 187.

Baptismal Record of the Zuñi 13: 333.

Baptist Church, grant of land to 18: 826.

Baptist Gap, engagement at 19: 170.

Baptiste Ululamê'llst, information furnished by 45: 403.

Baptists, work of the, among Cherokee 19: 107, 165, 166.

Bä'qati Game

- description of 14: 994.
- in Ghost song 14: 1036, 1075.

Bäquati Wheel, use of, in Ghost dance 14: 1064.

Bar

- pattern of feather fixation on arrow 38: § 132.
- symbolic use of, in decoration of Hopi kateinas 21: 75.

Baraboo County, Wis., pottery from 4: 430.

Baraga, Bishop

- Ojibwa modes from 28: 262 sq.
- references to 28: 227, 239.

Baraga, Rev. Frederic (probably the same as Bishop Baraga above)

- on definitions in double ball, Chippewa 24: 650.

on definitions in racket, Chippewa 24: 564.

on definitions in tops, Chippewa 24: 734.

on meaning of Ojibwa word "*Mano-minikewin*" 19: 1061.

on Ojibwa wild-rice moon 19: 1089.

reference to work of 40: 28.

Barbacoas, name of pile dwellings 34: 253.

Barbadoes

archeological collections from 25: 18, 19.

archeological reconnaissance in 25: xv.

Barbados

aboriginal population of 34: 78 sq.

archeological work in 34: 11.

artifacts from 34: 86 sqq.

depopulation of 34: 87.

early maps of 34: 79.

English landing at 34: 80.

number of specimens from 34: 49.

Barbados Colony, purchase of land by 18: 626.

Barbaric Tribes, ancient burial customs of 1: 152.

Barbarism

characters of 17: xxxiii, xxxiv.

characterized by male descent 21: xxi.

definition of 15: cxv.

features of 19: xlix.

psychological differentiation of 23: xxi, xxii.

pottery making during 20: 24.

Barbeau, C. M., mention of 31: 32.

Barbecue Hole, explanation of 44: 440.

Barbels, native American fish 14: 517.

Barber, Edwin A.

acknowledgments to 20: 17.

on burial urns 1: 138.

on hand game of the Yampa Ute 24: 315 sq.

on partial cremation 1: 151.

on stone pipes 12: 705.

on use of chisels in steatite working 13: 72.

on Ute pottery 4: 276 sq.

says the Delawares buried in stone graves 12: 692.

Barberry

clan name from 30: 86.

dye from 30: 88.

used in ceremonies 30: 88.

Barbour, James, authorized to treat with the Cherokee 5: 229.

Barbs

for Guiana Indian arrows 38: § 129.

on Eskimo arrows 18: 160.

Barbs—Continued

- on Eskimo fishhooks 18: 175, 177–180.
- on Eskimo spears 18: 147 *sqq.*, 152, 192, 195.
- used by the Eskimo in capturing birds 18: 133.

Barceloneta, P. R., collection from 42: 18.

Bárcena, Alonso, on Toba numeration 19: 838.

Barcia, A. G.

- on Creek-Cherokee wars 19: 38.
- on De Luna's expedition 19: 201.
- on Regel's expedition 19: 202.
- on Spanish mission among the Cherokee 19: 29.
- version of Tsundige'wi myth by 19: 472.

Barcia, Carballido y Zufiga, Andrés G.

- on Acoma 29: 543.
- on Pecos 29: 476.

Barcia, Gabriel de Cardenas

- cited on sacred meal of the Indians 9: 512.
- quoted on magic power of the Indians 9: 549.

Barham, W. B., specimens presented by 36: 34.

Bari (of Africa), burial of the 1: 125.

Bark, Cheyenne delegate to Wovoka 14: 895.

Bark

- apron 38: § 547.
- band for knapsacks, baskets, etc. 38: § 455.
- baskets of 41: 353; 45: 52 *sq.*, 222, 328.
- birch, study of Indian use of 22, i: xxii.
- canoes of 42: 744; 45: 248.
- Catawba use of, in baking 20: 54 *sq.*
- Cherokee use of, in baking 20: 56.
- cedar, headdress of, in Shaker ceremony 14: 761.
- clothing made of 13: 17, 358.
- corsets of 38: § 543.
- dwellings covered with 42: 688.
- fiber used in weaving 13: 23, 24, 25.
- garments made of 42: 682, 683, 690.

Bark—Continued

- gathering of 41: 150.
- head-rings of 38: § 530.
- lodges of 45: 228 *sq.*
- mats 38: § 401.
- medicinal use of 44: 327.
- mulberry, used for fringe 13: 32.
- Omaha lodges of 13: 269, 271.
- pestle and mortar of 38: § 381.
- pictographs on 4: 59; 10: 213.
- preparation of, for basketry 41: 153 *sq.*
- preparation of, for medicine 44: 328.
- record of Lenni Lenape 4: 207.
- shirt made of 38: § 539.
- stripping, Indian methods of 13: 109.
- tools for stripping 45: 92.
- trumpet 38: § 558.
- used in embroidery designs 13: 28.
- used in mat-making 14: 259.
- used in net-making 13: 27.
- used in spinning 13: 22.
- use of, as tempering material, Florida Peninsula 20: 117.
- use of, in basketry 41: 146.
- used to prevent making tracks 32: 222.
- woven into rain cloaks 45: 77.
- See also* Alder Bark; Birch Bark; Willow Bark; etc.

Bark Ashes, use of, as tempering material, eastern United States 20: 46.

Bark Baskets, beading on 41: 384 *sq.*

Bark Receptacles, common use of 41: 138.

Bark Vessels

- influence of, on form of pottery 20: 161, 162, 196.
- preceramic use of, by American aborigines 20: 25.

Barker's Fort, raid on 17: 270.

Barking Dogs not allowed 38: § 717.

Barley

- chemical composition of 19: 1082.
- production of, by the Pima 26: 91.

Barnacles

- gathering of 35: 499.
- method of preparing 35: 504.
- steamed on beach 35: 501, 505.

Barnard, Lieutenant —, 46: 128.

- Barnes, —**, petroglyphs reported by 10: 64.
- Barnes, Dr. G. W.**, on California pictographs 4: 229.
- Barnes, I. N.**, works on land of, in Ohio 12: 598.
- Barnesville, Ohio**, rock carvings at 4: 21.
- Barnesville Track Rock, Ohio** 10: 102 *sqq.*
- Barnet, F. M.**, custodian of property in the Bureau 23: XLII.
- Barnett, William**, Cherokee boundary commissioner 5: 207, 208.
- Barnstable**, Indian policy of 18: 605.
- Barnum, William**, work of 25: XXIII.
- Barnwell, —**, Cherokee reply to 19: 372.
- Barra Chachalicas**, clay objects from 25: 268 *sqq.*
- Barraguan Rock**, man created from 30: 145 *sq.*
- Barranca, Rio de la**, crossed by Coronado 14: 586.
- Barratt, Joseph**, on meaning of "min" 19: 1024.
- Barre, Wis.**, petroglyphs at 10: 126.
- Barreiro, Antonio**, on Cochiti 29: 439.
- Barrel-shaped Baskets**, coils of 41: 164.
- Barrenness**
shame of, among Guiana Indians 30: 187, 286, 287.
See also Pregnancy
- Barrere, P.**, cited 30: 118, 156, 158, 163, 170, 181, 255, 269, 291, 296, 302, 303, 310, 312, 314, 320, 321, 322, 324, 325, 328, 330, 340, 350.
- Barrés Indians** (of Brazil)
dyes used by the 10: 222.
totem mark of the 4: 167.
- Barrett, Lieut. James**, in skirmish at El Picacho 26: 48.
- Barrett, Dr. S. A.**
acknowledgments to 29: 12.
reference to 41: 378.
- Barrett, S. E.**, work of 26: xxvi.
- Barrett, William E.**, petitions for Casa Grande repair 15: cii.
- Barrick, Grace P.** 46: 70.
- Barringer, Rufus**, arbitrator between East Cherokee and Thomas's creditors 19: 174.
- Barrionuevo, Francisco de**
adventure of, at Tiguex 14: 496.
companion of Coronado 14: 479.
explorations of 14: 510.
- Barrow**
archeology of 46: 166, 173.
burials of 46: 183.
Eskimo of 46: 228.
mention of 46: 106, 108, 110, 111, 166, 169, 209.
"mounds" of 46: 166, 206, 285.
skeletal remains of 46: 317, 323, 327, 328.
trip to 46: 30.
- Barrow Crania**
basiofacial diameters 46: 279-282.
facial 46: 266.
facial angles 46: 285.
means 46: 286.
mention of 46: 254, 257, 258, 260, 261, 262, 263, 264.
nose 46: 268, 270.
- Barrow, Point.** *See Point Barrow.*
- Bartar Katcinas**, distinction of, from Huhuan 21: 83.
- Bartel, William**, service of 27: 13.
- Barter**
by the Sia 11: 12.
native 46: 91, 93, 102, 103, 145.
Point Hope 46: 102.
See also Trade.
- Barter Island**
archeology of 46: 123.
mention of 46: 206.
- Bartiromo, Melchior**, mission work of 17: 61, 67.
- Bartlett, C. H.**
acknowledgments to 14: 655.
prayer-stick presented by 14: 698.
- Bartlett, Commissioner John R.**
account of Casa Grande by 28: 66 *sqq.*, 88.
account of Pima 26: 31.
cited 13: 296, 297.
cited on Lipan and Apache habitat 7: 54.
Kiowa vocabulary obtained by 17: 389.
objects collected by 26: 152.
on construction of Pima *ki* 26: 154.

- Bartlett, Commissioner John R.**—Con.
 on "Houses of Montezuma" 26: 24.
 on Kiáhâs 26: 141.
 on Opata running 17: 125.
 on Pima clothing 26: 149.
 on Pima method of riding 26: 113.
 on Pima spinning and weaving 26: 149.
 on Pima weapons 26: 96.
 on the Seri 17: 96 *sq.*
 rattle figured by 26: 170.
 Seri vocabulary collected by 17: 97 *sqq.*, 296*, 299*; 21: xxv.
 the Pima described by 7: 98.
- Bartlett, Capt. R.** 46: 297.
- Barton, B. S.**
 on Cherokee linguistic relationship 19: 16.
 on composition of Iroquois and Cherokee 7: 77.
 on traditional predecessors of the Cherokee 19: 22.
- Barton, N. W.**, on wild rice in Maryland 19: 1030.
- Barton County, Mo.**, flint in 44: 539.
- Bartow County, Ga.**
 clay figurines from 20: 41.
 mounds in 5: 96, 104.
- Bartram, John**
 collection of pottery by 20: 59.
 on cabin burial 1: 122.
 on Choctaw ossuary 1: 120.
 on partial scaffold burial 1: 169.
 on racket of the Cherokee 24: 574 *sq.*
 on racket of the Muskogee 24: 606.
- Bartram, William**
 cited 12: 654, 655, 657, 674.
 description of Cherokee council house by 5: 87.
 description of Rembrandt mounds by 12: 315.
 journey of, over Camino Real 42: 833.
 list of Cherokee towns by 5: 143.
 on cane-splint fire 19: 429 *sq.*
 on cattle among the Cherokee 19: 213 *sq.*
 on Cherokee relations with Creeks 19: 383, 384.
 on council houses and mats 13: 19.
 on Creeks 19: 499.
- Bartram, William**—Continued
 on hoop and pole of the Muskogee 24: 486 *sq.*
 on origin of mounds in Cherokee country 19: 22.
 on ruins at Silver Bluff 19: 193.
 on sacred fire 19: 503.
 on Seminole regard for snakes 19: 457.
 on sieve of Georgia Indians 13: 17.
 on strawberries in Cherokee country 19: 468.
 on traders' bells 19: 483.
 opinion of, regarding origin of the mounds 12: 597.
 remarks on the Cherokee 5: 135, 372.
 travels of, in Cherokee country 19: 46.
- Bartre, —**, acknowledgment to 28: 216.
- Basalenque, Diego**, on Tarasco number words 19: 880.
- Basalt**, Tewa name for 29: 584.
- Basanite**. See **Chert**, *varieties of*.
- Bä'sawuně'na**, an Arapaho division 14: 955.
- Bascara**, fish poison 38: § 209.
- Baseball** 24: 789 *sq.*
- Bases**
 annular, eastern United States pottery 20: 62, 90, 93.
 eastern United States pottery, development of 20: 62.
 Florida Peninsula pottery 20: 18, 121.
 Florida Peninsula pottery, perforation of 20: 119, 124, 125, 127.
 Gulf Coast pottery 20: 105, 111.
 Gulf Coast pottery, perforation of 20: 111.
 Iroquoian pottery 20: 162.
 Middle Atlantic Coast pottery 20: 145, 148, 151, 155.
 Middle Mississippi Valley pottery 20: 88, 90, 93.
 Northwestern pottery 20: 196.
 Ohio Valley pottery 20: 185.
 perforation of, in burial, eastern United States 20: 111, 119, 124, 125, 127.
 South Appalachian pottery 20: 132, 143.

Bases—Continued

Southern and Northern pottery 20:
145, 187.

Spanish olive jars 20: 129, 130.
tripod 20: 93.

See also Feet; Forms; Walls.

Bashfulness of the Omahas 3: 262.

Basin Basket 38: § 440.

Basin-shaped Baskets, terms for
41: 396.

Basins. *See Pottery.*

Basiwi, four-stick game of the 24:
333.

Basket

adaptions of natural forms 38:
§ 453-457.

birch-bark, among the Nenenot 11:
301.

Cherokee, design from 20: 171.

classification of 38: § 448.

cover work 38: § 449.

"landing net" 38: § 423.

marked pottery 4: 282.

molds for pottery 4: 372.

mystic, in Columbia Indian cosmology 14: 722.

of specially prepared strands 38:
§ 412-447.

patterns and designs 38: § 105-
114.

string figure 38: § 666.

trumpet 38: § 559.

types of base, circular or oval 38:
§ 416-421.

types of base, conical 38: § 423,
424.

types of base, conical and rectangular 38: § 425-447.

types of base, hexagonal 38: § 412-
415.

used in dice games 14: 1004.

use of, by Hopi kateinas 21: 73,
74.

use of, in distribution of beans in
Hopi ceremonies 21: 70.

use of, in Lalakañti festival 21:
58.

*See also Basketry; Baskets; Crab
Basket; Eye-socket Basket;
Medicine-man Basket.*

Basket Dance

of Rain-cloud clans 21: 22.

of the Hopi 21: 22, 23.

See also Lalakoñti,

Basket Maker Sites, investigation of
45: 7.

Basket Making by the Menomini
14: 259.

Basket Plaques

appearance of, in pictures of Hopi
kateinas 21: 122.

use of, in Masauñ ceremony 21: 37.

Basketry

among East Cherokee 19: 176.

Antillean 25: 212 sq.

anticipated pottery 4: 483 sq.

Apache, collection of 22, i: xxxix.

bark 45: 52 sq., 222, 328.

Casa Grande 28: 147.

coiled 45: 54 sq., 223 sqq., 329.

cooking utensils 4: 484 sqq.

copied in pottery 4: 449.

declination of manufacture of water-
tight 4: 496.

description of 45: 51-55.

difficulties encountered in 41: 258-
261, 263.

diffusion of the art of 41: 133-139.

discussion of 13: 15.

distribution of, among tribes 45:
223.

earthenware derived from 13: 11.

feather crowns 38: § 519-527.

found in Honanki 17: 572.

Gila-Salt region 28: 156.

Hudson collection of 21: xxxiii.

imperfection in 41: 262.

in cavate lodges 13: 228.

Indian 46: 36, 83.

ingenuity shown in 41: 261.

lack of pottery modeled from 13:
38.

materials used in 45: 222 sqq.

not esthetic 40: 341.

not found at Sikyatki 17: 649.

of the Apache 2: 355.

of the Flathead group 45: 328 sqq.

of the Omaha 13: 278.

of the Shinumos 2: 334.

of the Siouan tribes 15: 172.

of the Zuñi 2: 334.

ornamentation of 45: 55, 329.

paper on 42: 17.

Pima 28: 147.

Pima, agave leaf rings 26: 113.

Pima, basket bowls 26: 135 sq.

Pima, character 26: 164 sq.

Basketry—Continued

- Pima, designs employed 26: 136-140.
 Pima, implements 26: 135.
 Pima, Kiáhâ 26: 140-143.
 Pima, materials 26: 131-134.
 Pima, method 26: 135.
 Pima, minor types 26: 145 *sqq.*
 Pima, sleeping mats 26: 147 *sq.*
 Pima, storage baskets 26: 143 *sq.*
 plants used for 30: 81.
 Pueblo types of 22, i: 98 *sq.*
 Quahatica 28: 140.
 rarely preserved by charring 13: 36.
 roots used in making 45: 496.
 Seri characters of 17: 10, 208* *sq.*
 Seri decoration of 17: 175*.
 specimens from Wolpi 2: 389.
 specimens from Zuñi 2: 368.
 suggesting ornament 4: 57, 461.
 taught to girls 40: 309.
 Tewa, of willow 31: 14.
 time required for 41: 412 *sq.*
 Tlingit 26: 395.
 Tsimshian, not elaborate 31: 49.
 twined, imprints of 44: 106.
 water-tight 41: 135, 201 *sq.*
 woman's share in 38: §900.
 Yavapai 26: 164 *sq.*
 Zuñi, different kinds of 23: 373.
See also **Basket**; **Baskets**; etc.

Baskets

- at Tusayan altar 16: 279.
 birch-bark 45: 52.
 cedar-bark 45: 53 *sq.*
 cedar-root 45: 51.
 collection of Indian 3: 576-586, 589.
 decoration of 45: 55, 329.
 decrease in use of 45: 342.
 designs of 45: 226.
 flexible 45: 51.
 for cooking berries 35: 138, 284, 288.
 for huckleberries 35: 140.
 for steaming 35: 555, 561.
 for viburnum berries 35: 138.
 for wild carrots 35: 139.
 grass, made by the Eskimo 18: 204 *sq.*
 hexagon-base, spiral weft of 38: §412.

Baskets—Continued

- Hudson collection of, acquisition of 20: x.
 Hudson collection of, study of 20: xvi *sq.*
 imitation of effect of, by finger-nail markings on pottery 20: 75, 79.
 new, custom regarding 35: 607.
 of cedar bark 35: 136, 139, 226, 228, 235, 240, 252, 254.
 of the Eskimo 9: 326 *sq.*
 openwork 45: 52.
 openwork, making of 35: 134.
 pictographs on 10: 217.
 rack for holding 35: 171.
 set for berry picking 35: 204, 205, 206, 208, 209, 213, 214, 216, 217, 218, 220, 269.
 shapes of 45: 224 *sq.*
 use of, as models for clay vessels 20: 68, 162.
 use of, by California Indians 20: xvii.
 use of clay in protecting from fire 20: 49.
 use of, in manufacture and decoration of pottery 20: 36, 50, 65, 69 *sqq.*, 134.
 use of, in salt making 20: 28.
See also **Basket**; **Basketry**; etc.
Baskets, Clay, from Zuñi 2: 360.
Bass, Jeremiah, purchase of lands by 18: 588 *sq.*
Bassett Place, soapstone mine on 15: 131.
Bassler, R. S., acknowledgment to 41: 494.
Basswood
 in Cherokee lore 19: 421, 505.
 use of 44: 293, 307, 321, 334, 378.
Basswood Bark, rope made from 32: 122.
Bastian, A., on Northwest masks 3: 113, 114.
Basutoland, South Africa, petroglyphs in 10: 182 *sq.*
Bat
 carving of the 2: 144.
 how regarded by Central Americans 16: 225.
 in Pima song 26: 295.
 myths concerning 19: 286 *sq.*, 454.
 string figures of, of Guiana Indians 38: §682.

Bat—Continued

trail in Canyon de Chelly 16: 157.
See also Bats.

Bat House

description of ruin of 8: 52.
 ruin of the 17: 590.

Bat Mountain, legend of 30: 259.

Bates, H. W., cited 30: 118, 157, 170,
 174, 176, 180, 181, 242, 275, 288,
 298, 312, 328, 329, 330, 342, 352.

Batesville, Ark., occurrence of salt-
 making vessels near 20: 28.

Bateys. *See Juegos de Bola.*

Bathing

among the Omaha 3: 269.
 as a purifying rite 42: 358, 359,
 360, 366, 395, 553, 601, 604.
 attempt to obtain success by 31:
 451.
 baskets used for 41: 199, 396.
 ceremonial 47: 506, 777, 868 sq.
 customs of 42: 520 sq.
 for purification 35: 1123.
 in Ghost dance ceremony 14: 921.
 in medical practice of the Cherokees
 7: 333 sq., 335 sq.
 mention of, among the Guiana
 Indians 38: § 932.
 obligatory 42: 699.
 omission of 30: 272.
 punishment for neglect of 42: 357.
 reference to 27: 585.
 regulations concerning 42: 365 sq.
 ritual 47: 286.
 strength obtained by, in cold water
 31: 451.
 symbolic 47: 777.
 time for 30: 131.

See also Sweat Bath; Baths.

Bathing Customs

of the Caribs 34: 226, 230.
 various 44: 224; 45: 169, 174.

See also Bathing; Baths.

Baths

process of women's 23: 425.
 public, absence of, among the Omaha
 13: 274.
 sweat, of Kurahus 22, ii: 26.
 use of 11: 300.
 vapor, cedar used in 33: 64.
 vapor, of the Guiana Indians 38:
 § 922.

See also Bathing.

Bathtub, occurrence of. Florida Pen-
 insula 20: 130.

Bathtub Baskets, terms for 41: 396.

Bati'qtûba, game of the Arapaho
 14: 1007.

Bâtni, the first pueblo of the Snake
 people of Tusayan 8: 18.

Batons

ceremonial 34: 210 sq.
 clay, from Barbadoes 34: 87.
 death-bringing 35: 1216.
 from Dutch Guiana 34: 132.
 mention of 25: 195.
 of wood 34: 132.

Batre, Señor, visit of, to Cempoalan
 25: 234 sq.

Batre Mineral Claim, fort near
 28: 215 sq.

Bats

legends concerning 30: 221, 259,
 276.
 omens drawn from 30: 274.
See also Bat.

Bat's Bane 38: § 934.

Batsi, land cessions and reservations
 18: 784.

Batt, Capt. Henry, exploring party
 under 5: 138.

Battenstick, use of 2: 434.

Battered Stone Implements dis-
 cussed 15: 94.

Battering, implements shaped by
 15: 26, 148.

Bathey, Thomas C.

acknowledgments to 17: 147.
 establishment of Indian schools by
 17: 198.
 first teacher among the Kiowa 17:
 193.
 on character of Lone-Wolf 17:
 199.
 on hostilities of 1874 17: 202.
 on Kicking-Bird 17: 217.
 on Kiowa hostility in 1873 17: 337.
 on Kiowa hunting customs 17:
 230.
 on Kiowa medicine lodge 17: 243.
 on Kiowa-Pawnee peacemaking 17:
 334.
 on Kiowa population in 1873 17:
 235.
 on Kiowa raids in 1873 17: 337.
 on Pawnee war dance 17: 335.
 on release of Kiowa chiefs 17: 197.
 on visiting ceremony 19: 493.

Battiste Good

- revelation of 10: 289 *sq.*
 winter count of 10: 268 *sq.*, 287-328.

Battle, sign for 1: 419.

Battle Rattlepod 33: 90.

Battle Records

- Algonkin 10: 557 *sq.*
 French, from Indian account 10: 558.
 from winter counts 10: 561 *sqq.*
 Iroquois-Algonkin 10: 554 *sq.*, 556.
 mention of 10: 554-566.
 Ojibwa 10: 556 *sq.*
 of Little Bighorn 10: 563-566.

Battlefield, Chukchee-Eskimo 46: 86, 117.

Battlemuleemauch

- a Mitau synonym 14: 734.
 an Okanagan division 14: 734.

Battowia, Indian caves of 34: 89.

Batts, —, on Tutelo habitat in 1671 7: 114.

Batts, Thomas, exploration into Cherokee country by 19: 31.

Batuca, Opata settlement in Sonora 14: 537.

Batz day symbol discussed 16: 241.

Bauer, M. 46: 367.

Bautista, Juan, on Mexican rain-conjurers 14: 150.

Bax^ubakwālanux^usiwē 35: 1222.

Baxones, flute reed instruments 38: § 570.

Baxter, R. H., account of Snake dance by 16: 274.

Bayagoula

- a tribe of Choctaw confederacy 19: 500.
 hoop and pole game of the 24: 485.
 smoke holes used by the 42: 688.

Bayard, Nicholas, grant of lands to 18: 580.

Bayley, G. W.

- acknowledgments to 44: 32.
 assistance of 42: 9.

Bayou Maçon, mounds near, of natural origin 44: 434 *sq.*

Bays, used medicinally 42: 670.

Ba-zhe-ech, treaty signed by, in 1867 17: 186.

Beaches, archeological remains on 46: 172.

Beach's Indian Miscellany, cited 4: 188.

Beacon Markings, definition of 17: 168*.

Bead

- application of term 41: 322.
 apron 38: § 78, 549.
 grow on trees 38: § 822.
 making 47: 212.
 making among Zuni 23: 378.
 necklace made of 38: § 535.
 threading of 38: § 77.
 variety of 38: § 73-76.

See also Beading; Beads.

Bead Bread. *See* Popped Corn.

Bead Water

- preparation of 30: 76.
 used in ceremonies 30: 76.

Beaded Bags of the Menomini 14: 74.

Beaded Designs 41: 234 *sqq.*

Beading

- as ornamentation 41: 362.
 materials used for 41: 155.
 methods of 41: 223-226.
 relation of, to imbrication 41: 384 *sq.*
 terms used in 41: 400.
 time required for 41: 413.
See also Bead; Beads.

Beadle, J. H.

- Canyon de Chelly visited by 16: 80.
 quoted on Canyon de Chelly 16: 86.

Beads

- amethyst 44: 104.
 among the Pima 26: 28, 163.
 bird bone 44: 138.
 bone 44: 137 *sq.*
 bone, finding of, at Chaves Pass ruins 22, i: 95.
 classification of 2: 219.
 clay, occurrence of, eastern United States 20: 25, 42.
 clay, occurrence of, Florida Peninsula 20: 119, 124.
 clay, occurrence of, Middle Mississippi Valley province 20: 83.
 columella, specimens obtained 44: 158.
 copper, found in graves 44: 461, 462.
 discoidal in form 2: 221.

Beads—Continued

- disk, specimens obtained 44: 163.
- Eskimo 9: 149.
- Eskimo fishing apparatus made of 18: 177 *sqq.*
- Eskimo ornamentation by 18: 33-36, 38, 45-49, 52, 58, 84, 105, 228, 285, 344.
- Eskimo, and earrings 18: 52-57.
- European, worn by Mission Indians 44: 147.
- found in graves at Sikyatki 14: 519.
- found in shell-heap burials 44: 445.
- from Awatobi 17: 628.
- glass, taken from mound 44: 167.
- hinge 44: 160.
- in Sikyatki graves 17: 733.
- mention of 25: 108 *sq.*, 192; 34: 231 *sq.*
- miscellaneous stone 44: 104.
- of different materials 2: 219, 232, 235.
- Pismo clamshell 44: 155.
- pottery 41: 521, 522.
- recovered from child's grave 41: 529.
- resemblance of spindle whorls to clay 20: 33.
- rock-oyster shell 44: 160.
- Russian glass 46: 61, 136, 173, 363.
- steatite disk 44: 103.
- South Appalachian group, occurrence of, in burial vase 20: 136.
- use of 42: 685; 46: 590.
- use of, in imprinting textile patterns 20: 79.
- use of, in initiation 47: 315.
- used for necklaces 45: 81.
- used in embroidery 13: 28.
- Venetian, occurrence of, in Florida mounds 20: 720.
- See also* Bead; Beads, Shell; Beads, Stone; Nodes; Wampum.

Beads, Shell

- from ruined Pueblo on Little Colorado River, description of 22, i: 92 *sq.*
- kinds of, used in belts 2: 247.
- manner of stringing 2: 234, 236, 244, 248.
- manufacture of 2: 236.
- manufacture of, by whites 2: 238.

Beads, Shell—Continued

- massive in form 2: 223.
- mention of 2: 219.
- mnemonic use of 2: 240, 254.
- or "runtees" 2: 228.
- perforated 2: 219.
- tubular in form 2: 226.
- use of, as money 2: 219, 233.
- use of, as ornaments 2: 219, 230, 234.

Beads, Stone

- from Casa Grande 28: 131.
- mention of 44: 103 *sqq.*

Beadwork

- mention of 45: 47.
- of the Menomini 14: 264, 265, 269-272.
- on clothing 45: 78 *sq.*, 337 *sqq.*
- patterns for 44: 390.
- taught to girls 40: 309.

Beak, appearance of, in pictures of Hopi katecinas 21: 67, 78, 80.**Beale, —, location of land by** 18: 789.**Beale Wagon Road** 4: 30.**Beams**

- Chaco pueblos, how squared 8: 184.
- construction of steps upon 8: 162.
- for supporting passageway wall 8: 181.
- for supporting upper walls 8: 144.
- modern finish of 8: 149.
- of missions in Walpi houses 17: 586.
- of Palatki ruin 17: 557.
- Tusayan kivas, taken from Spanish church at Shumopavi 8: 76.

Bean, Lieutenant —, part taken by, at Horseshoe Bend 19: 95.**Bean, Mrs. —, rescue of, by Nancy Ward** 19: 48, 204, 490.**Bean, T. H., ethnologic specimens collected by** 18: 80, 87, 171.**Bean, a female man-being in Iroquoian cosmology** 21: 174.**Bean**

- garden 33: 96.
- in Cherokee lore 19: 424, 471.
- probable place of origin 33: 59.
- See also* Beans; Wild Bean.

Bean, Ground 33: 95.

Bean Katcina. *See* **Muzribi.**

Bean Planting

mention of 21: 22.

See also **Powamû.**

Bean-planting Ceremony of the Hopi 17: 702.

Beans

appearance of, in pictures of Hopi kateinas 21: 68, 101.

as food among the Omahas 3: 308.

aversion to, by Egyptians and Abyssinians 9: 517.

celebration of new crop of 42: 550, 568.

ceremonially grown 15: 276, 279.

colors of, importance of 30: 69.

how prepared 30: 69 sq.

in Hopi ceremonies 21: 31, 39, 70, 81.

in Pima song 26: 326.

mention of 33: 136.

stores of, kept by Indians 14: 584.

string of, used as a signal by Tecumseh 9: 555.

traded by Pima 26: 94.

used in folklore 30: 85.

varieties of, raised by the Pima 26: 76, 92.

wild, found by Coronado 14: 507.

See also **Bean; Wild Bean.**

Bean Shooter

used by 24:

Hopi 760.

Makah 761.

Mono 760.

Opitchesaht 761.

Southwest tribes 760.

Zuñi 761.

Bean Vines in Tusayan ceremony 16: 280, 283.

Bear

among the Eskimo—

arrows for killing 9: 202.

belief in supernatural powers of 18: 438.

encounters with 18: 120.

lance for hunting 9: 240.

legends of red 18: 467-471.

methods of hunting and trapping 18: 120-123.

uses of intestine of 18: 118.

among the Pima—

diseases caused by 26: 262.

in song 26: 318 sq.

Bear—Continued

among the Tlingit—

as a charm 26: 454.

chief's name 26: 407.

in calendar 26: 426.

in mythology 26: 451.

mask of 26: 436.

name of gaming stick 26: 444.

treatment of head 26: 451.

association of, with curing 47: 528, 531 sq., 784, 794.

associations, with Tha'tada gens 27: 42.

beliefs concerning 44: 324; 45: 184, 289.

bones of, to give magic power 32: 343.

claws of, worn as necklace 46: 553.

connection with Mo'chu'ithaethe 27: 486 sq.

dead, invocation to 46: 499 sqq.

flayed, ceremony over 23: 126.

hunting of 27: 275; 44: 241 sq.

in Tewa conception 29: 43.

invoked in medicine 30: 60.

killed by shooting in forefoot 32: 343.

killing of 46: 537 sq.

meat of 46: 105.

modeled representation of, Iroquoian pipes 20: 174.

myths and lore concerning 19: 250, 264, 268, 273 sq., 286 sq., 325-329, 411, 436, 446 sq., 450 sqq., 472 sqq., 504.

myths concerning 11: 39, 47, 477.

nurses and cares for boy 32: 442.

of the Ungava district 11: 174.

polar 46: 104, 105.

signs for 1: 412.

songs of 19: 400, 401.

symbol of fire 45: 644.

See also **Black Bear; Grizzly Bear.**

Bear

a man-being in Iroquoian cosmology 21: 173, 303.

See also **Honau.**

"Bear, The," revenue cutter 46: 30, 86, 88, 90, 91, 104, 112, 117, 119, 120, 123, 172.

Bear and Eagle

folk tale of 14: 217.

Bear and Eagle—Continued

in Menomini mythology 14: 91,
131, 169, 175, 200, 254.

in pueblo region 14: 518, 560.
totem, Menomini, importance of
14: 45.

Bear Butte, myths concerning 11:
449.

Bear Clan

associated with Snake-Antelope so-
cieties at Walpi 19: 624.

associations of 42: 149.

costume worn by members of 23:
473.

customs of 37: 227 *sq.*, 148–153.

dance for benefit of 37: 386.

early arrival of, at Tusayan 17:
582.

feast of 37: 321.

functions of 37: 200, 226.

importance of 37: 226.

insignia of 37: 226.

introduction of kateina by member
of 2: 111.

known as Soldier Clan 37: 218.

lodge of 37: 226, 229.

native names for 42: 115.

origin myths of 37: 225.

performance of members of 23:
473.

personal names of 37: 236 *sq.*

relations of, with Wolf Clan 37:
227.

same as Ke Clan 19: 615, 618.

size of 47: 35.

songs of 37: 235.

story concerning 42: 110.

story of origin of 42: 113.

symbol of 37: 203.

war-bundle feast of 37: 547–550.

See also Honau Clan.

Bear Claws, used for necklaces 45:
82.

Bear Creek Chippewa, reservation
for 18: 810.

Bear Dance

description of 42: 527.

mention of 42: 523, 524.

Bear Designs, on food-bowl from
Four-mile ruins, description and
figure of 22, i: 153, 154.

Bear Disease, description of 42:
640.

Bear Family of Hano, mask owned
by 21: 112.

Bear Family of Walpi, similarity of
mask of, to that of Ke Towa
Bisena 21: 112.

Bear Feast, origin myth of 37: 301
sq.

Bear Fetish, White, Zuñi 2: 40.

Bear Gens, reference to 40: 358,
515.

Bear Grass, in Cherokee lore 19:
420.

Bear Hunt, description of 37: 111
sq.

Bear Katcinas

personation of, in Hopi festivals
21: 41.

similarity of symbolism of, to those
of the badger 21: 95.

Bear Lodge, Kiowa mythic origin of
17: 160.

Bear-lying-down. *See Set-emâ'-i.*

Bear Man, myth of 19: 262, 327 *sqq.*

Bear Medicine of the Chippewa 44:
324.

Bear or Effigy Mound, examination
of 44: 494.

Bear-on-trees. *See Set-ägyai.*

Bear Paws, appearance of, in picture
of Hopi kateinas 21: 95, 112.

Bear People

movements of 8: 27, 30, 31, 38.

removal to Walpi of the 8: 21, 27.

settlement in Tusayan of the 8:
20, 26.

Bear Point, Ala., pottery from 20:
106 *sq.*

Bear Sign, on Eskimo implements
18: 326 *sq.*

Bear Songs and Dances, origin of
32: 658.

Bear-Track, a noted shaman 45:
384 *sq.*

Bearberry

mention of 33: 108.

use of 44: 287, 318, 377; 45:
457, 458, 486, 493, 494, 514.

See also Arctostaphylos Uva-ursi.

Bearberry Honeysuckle

belief concerning 45: 511.

use of 45: 489.

Beard, John, killing of Indians by
19: 74.

Beard, a Broken Arrow chief 42: 322.

Beards

appearance of, in pictures of Hopi katecinas 21: 72, 84, 86, 88, 99, 110, 112.

extraction of 46: 593.

of Eskimo men 18: 26 sq.

removal of 45: 83, 241.

Western Eskimo 46: 213-227, 249.

Beardslee, Commander L. A. (U. S. N.), material collected by 24: 243.

Beard-tongue

rabbit sticks made from 30: 96.

used in ceremonies 30: 95 sq.

Bears

guarding pathway to chestnuts 32: 505.

hunting of 42: 693.

taboo of, to the *taime* 17: 323.

used to convey boy 32: 284.

Bear's Gall, use of 44: 330.

Bear's Oil, use of, at busk 42: 598 sq.

Bear's Paw Design, on pottery from Pueblo ruins, figures showing 22, i: 73, 155.

Bearskin, John, songs recorded from 48: 16.

Bearskin

appearance of, in pictures of Hopi katecinas 21: 112.

Eskimo clothing made of 18: 31, 35, 38, 39, 40.

Eskimo house-fittings made of 18: 243, 246.

Bearskin-rope People, settlement in Tusayan of the 8: 26, 27.

Beasley, Maj. Daniel, commander of Fort Mims 19: 216.

Beast Fable, development of 19: xxxii sq.

Beast God Societies, activities of 47: 528.

Beast Gods

creation of 23: 49, 409

cult of 47: 528-534.

definition of 21: 135.

food deposited for 23: 492.

medicine of, collection of 23: 552 sq.

name given to 23: 409.

offering of game to 23: 440.

one selected for each region 23: 49.

reference to 29: 43.

singing of songs to 23: 515.

Beasts

change of men into 30: 149, 150 sq., 182, 184.

mythic, believed in by the Eskimos 18: 394.

See also **Animals.**

Beatty, Charles, describes wampum belts 2: 250.

Beauchamp, Rev. William M.

acknowledgments to 20: 17: 29: 12.

beads sketched by 2: 228.

chapter written by 12: 540-550.

engaged as special aid 12: 19.

exploration of Iroquoian province by 20: 159.

indebtedness to, acknowledged 12: 25.

information furnished by 12: 503.

on ancient Micmac village 24: 77.

on belts of wampum 2: 252.

on dice games of the Onondaga 24: 111.

on hidden ball of the Onondaga 24: 349.

on strings of wampum 2: 248.

studies in Iroquoian pottery by 20: 167.

Beaulieu, G. H.

information furnished by 24: 401.

material collected by 24: 64, 65, 401.

on dice games of the Chippewa 24: 65.

on snow-snake of the Chippewa 24: 401 sq.

Beauty

appreciation of 33: 32, 328, 617, 630, 646.

Eskimo 46: 107, 213.

Indian 46: 151.

native children 46: 59.

test of 33: 657.

Beaux Banter, Tukabahchee chief 42: 322.

Beaver, — on Ohio Cherokee 19: 79.

Beaver

a life symbol 36: 99, 100.

a man-being in Iroquoian cosmology 21: 174, 202, 287, 315.

chase of 11: 316.

Cherokee myths and lore concerning 19: 266, 314 sq., 465 sq., 474.

Beaver—Continued

- eaten by the Pima 26: 81.
- Eskimo belief in supernatural powers of 18: 438.
- Eskimo methods of trapping 18: 123, 125.
- Eskimo use of skin of, as unit of value 18: 232.
- illness caused by 42: 644.
- in Menomini myth 14: 134.
- in Pima song 26: 320.
- in Tlingit mythology 26: 452.
- modeled representation of, Middle Mississippi Valley pottery 20: 107.
- myths concerning 11: 339, 439.
- name of Tlingit gaming stick 26: 444.
- Tlingit crest animal 26: 416, 420.
- Tlingit house-group name 26: 401.
- trapping of 46: 411, 538.
- value of skin of, among the Eskimo 18: 225.

Beaver, The, reservation for 18: 716.

Beaver Clan

- native names for 42: 115.
- origin of 42: 111, 113.
- position of 42: 148 *sq.*
- story concerning 42: 108.

Beaver Creek, Nebr.

- cliff ruin, description of 13: 186.
- pictographs on 4: 27.
- pottery from 20: 199 *sq.*
- reference to 27: 100, 101.

Beaver Dance, mention of 42: 523, 534.

Beaver Dish, mention of 35: 736, 806, 811, 814, 815, 816, 840, 962, 1040, 1349.

Beaver Hat, explanation of 31: 270 *sqq.*

"Beaver Hat," Pima account of 26: 81.

Beaver Hunter and his Sister, folk-tale of 14: 222.

Beaver Hunting Ground, cession of 18: 552 *sqq.*, 580 *sq.*

Beaver Island Chippewa, reservations for 18: 756, 810.

Beaver Root 33: 107.

Beaver-tooth Tools, Eskimo 18: 89 *sq.*

Beavers

- belief concerning 45: 184, 291.

Beavers—Continued

- called upon to destroy enemy 32: 120.

See also **Beaver**.

Becancour

- Indians residing at 43: 169.
- native name for 43: 169.
- origin of Indians at 43: 171.

Becerillo 25: 40.

Bechamel, F. *See* **Grillet and Bechamel**.

Bechtler, coining of gold by 19: 220.

Bechuana of Africa

- burial of the 1: 126.
- perforated stones of the 13: 98.

Beck, Lewis C., cited 12: 629, 658.

Becker, G. F., on Southern gold fields 19: 221.

Beckham, Henry, grant of land to 18: 580.

Beckley, W. Va., trail passing 42: 767.

Beckwith, —, on Pit River stone-chipping 13: 141.

Beckwith, Dr. Martha Warren

- contributor to Bureau 48: 1189.
- note on accompanying paper of 33: 40.
- paper by 39: 24; 40: 17.

Beckwith, Paul, material collected by 24: 185.

Beckwourth, James, on Crow mourning 1: 183.

Bed

- in square ground, sketch of 42: 187.
- of Prairie tribes 14: 963.

See also **Beds**.

Bed Dance

- mention of 42: 524.
- no details known of 42: 529.

Be'dalpage, Kiowa name of the whites 14: 978.

Bedding

- of child, hidden in cave 35: 671, 673.

toy, of Eskimo children 18: 345.

See also **Beds**; etc.

Bede, The Venerable, treatise on gestures 1: 287.

Beds

- and bedding 45: 63 *sq.*, 229.
- and bedding of the Omaha 13: 275.
- construction of 42: 689.
- discussion of position of 42: 199 *sq.*

Beds—Continued

- erection of, for new ground 42: 545.
- names given to 42: 191 *sq.*
- number of 42: 187.
- of the Menomini 14: 272.
- of the Tsimshian, location of 31: 395.
- orientation of 42: 18.
- position of, in various towns 42: 197-200.
- surrounding square ground 42: 181-187.

See also **Bed; Bedding.**

Bedsteads, not used by the Pueblos 8: 214.

Bedstraw, fragrant 33: 115.

Bee

- imitation of, by Hopi katechins 21: 81.
- mention of 11: 54.

See also **Bees; Honey.**

Bee Plant used for food 30: 69.

Beechey, Capt. Frederick W.

- cited on Eskimo seal dart 9: 252.
- cited on Eskimo superstitions 9: 434.
- description of Eskimo bracer by 9: 210.
- description of Eskimo seal dart by 9: 218.
- description of Eskimo umiak by 9: 343.
- mention of 46: 168, 205, 214, 219, 228.
- on lodge burial 1: 154.
- work consulted 9: 21.

Beede, A. McG., specimen presented by 36: 34.

Beef

- dried, chemical composition of 19: 1082.
- first issued to Dakotas 4: 125.

Beekman, Dora, founder of the Beekmanites 14: 945.

Been. *See* **Ben.**

"Beer" Chicha 38: § 256.

Bees

- among the Cherokee 19: 82, 214.
- and excreta 38: § 721, 935.
- and wasps eaten 38: § 226.
- controlled by medicine men 30: 341.
- domestic 38: § 726.
- effect of water on 30: 201.

Bees—Continued

- in Cherokee lore 19: 309.
- legends concerning 30: 199 *sqq.*, 204 *sq.*, 305.
- presage from 30: 276 *sq.*

See also **Bee.**

Beeswax 38: § 5, 24.

Beetle, Sawyer, talismans from 30: 289.

Beetle-wing Cases, music 38: § 575.

Beetles

- eaten by the Guiana Indians 38: § 224.
- in Mohave mythology 26: 252.
- in Pima mythology 26: 232, 248.
- myths and lore concerning 19: 239, 308, 314, 430, 463.
- string figures 38: § 665.
- used by the Eskimo 18: 88.
- whistling, omen from 30: 272.

See also **Water Beetle.**

Before, pictographs for 10: 589.

Beggary, among the Point Barrow Eskimo 9: 42.

Begging, among the Eskimo 18: 295, 300.

Begging Ceremony 37: 387; 45: 389.

Begging Dance 3: 355; 35: 856.

Behavior, Western Eskimo 46: 92, 94, 107, 134, 213-228, 240, 250.

Beheaders, term applied to the Dakotas 17: 281.

Behechio, a Haitian cacique 25: 49, 70, 81.

Behersda Tree, for tinder 38: § 1.

Behne, K. A., specimens purchased from 37: 30.

Behrendt, Dr. Carl Hermann, on Maya numeral system 19: 892.

Beille O'Beille, authority for Iroquoian myth 2: 59.

Beings

not called katechins, description of 21: 118, 121.

primal, in Iroquoian thought 21: 135.

Bejarano, Servan, testimony of 14: 598.

Belcher, mound at 44: 407.

Belden, George

on dice games, Yankton Dakota 24: 184 *sq.*

on shinny, Yankton Dakota 24: 639 *sqq.*

Belden, John purchase of land by
18: 618.

Beliefs

and customs, Kwakiutl 35: 603-748.

character of primitive 11: XLIV, 67.

concerning animal food 41: 608.

concerning animals 46: 487.

concerning astronomy 46: 414-418.

concerning birds 47: 639.

concerning buffalo 11: 475.

concerning charms 45: 118 sq., 196 sq., 394 sq., 505 sq.

concerning crime 46: 479-483.

concerning future life 46: 418.

concerning Great Spirit 46: 397.

concerning plants 45: 507-510.

concerning pregnancy 47: 213.

concerning prehistoric animals 46: 412.

concerning remedies 43: 267-270.

concerning source of life 45: 631.

concerning terrestrial rights 46: 476 sqq.

concerning the earth 46: 406.

concerning witchcraft 47: 204, 205, 242 sq.

in future state 45: 596.

in Great Spirit 11: 365, 431.

mortuary 11: 143, 192.

of the Eskimo 11: 196.

of the Flathead 45: 394 sq.

of the Okanagon 45: 294.

of the Southern Indians 41: 544.

primitive, definition of 16: 22.

regarding birth 35: 651-657.

regarding coffins 35: 687.

regarding cripples 35: 696.

regarding currants 35: 575.

regarding fern roots 35: 524.

regarding food caught by a deceased person 35: 1330.

regarding hearing of game animals 35: 637.

regarding maturing girls 35: 700.

regarding stones in stomach of halibut 35: 1324.

regarding twins of opposite sexes 35: 713.

relating to devil-fish 35: 614.

relating to first halibut of season 35: 247.

Siouan peoples, not found among 11: 371.

Belkofski 46: 189.

Bell, —, a wilderness worshipper 14: 946.

Bell, Prof. A. Graham, on vocal articulation of dogs 1: 275.

Bell, Charles N., on influence of wild rice on geographic nomenclature 19: 1121.

Bell, E. 46: 219.

Bell, James, cited 12: 673.

Bell, John, flight of 19: 134.

Bell, R., sale of interest in certain lands by 18: 671.

Bell

appearance of, in pictures of Hopi kateinas 21: 89.

clay, from Awatobi 17: 628.

copper fragments of, from Awatobi 17: 609, 631.

ringing of, in Hopi festival 21: 37.

use of, by Hopi kateinas 21: 77.

used in Hopi ceremony 17: 628.

Bell Clapper, recovered from mound 44: 166.

Bell County, Ky., image found in 41: 565.

Bell Shell Ornament for lip 38: § 74.

Bellabella

divided into matrilineal groups 31: 480.

exogamic groups of the 31: 481.

of Millbank Sound 31: 480.

recorded tribes of 31: 481.

stick games of the 24: 263.

Bellabella and Nootka Tales 31: 883-935.

Bellacoola Indians

ceremonial dress of the 10: 431.

games of the 24:

dice games 155

hand game 299.

hoop and pole 421, 489 sq.

shuttlecock 717.

stick games 249.

population of 7: 105, 131.

Bellevue, Nebr., references to 27: 100, 626, 632, 633.

Bellevue College, reference to 27: 627.

Bellevue, Treaty of 18: 762; 27: 623.

Bellomont, Earl of

cited on the Tutelo 7: 114.

- Bellomont, Earl of**—Continued
instructions on Indian affairs to 18: 580.
- Bellows** used by Navaho silversmiths 2: 172.
- Bells**
Ahouai seeds used as 38: § 574.
copper, from Pueblo ruins 22, i: 50, 111, 162 sq.
used in Shaker ceremony 14: 749, 755.
used in Smohalla worship 14: 730.
- Bellucia Aubleti**
for paint 38: § 28.
for pottery 38: § 94.
- Belly Basket** 38: § 439.
- Belmar, Francisco**
on formation of Mazateca numbers above ten 19: 888 sq.
on Mazateca method of counting 19: 879.
on Trike numerals 19: 908.
on Zapotecan number names 19: 872.
- Belmont County, Ohio**, rock carvings in 4: 21.
- Beloved Men**
a class of officials 42: 301-304.
part taken by, in the busk 42: 302.
position of, in the beds 42: 302 sq.
rulers of Creek Nation 42: 303 sq.
- Belt**
amulet, Eskimo 18: 435.
mention of 35: 143.
of the Guiana Indians 38: § 543 sqq.
worn by Eskimo during ceremonies 18: 421.
See also Belts.
- Belt fasteners**, of the Eskimo 9: 138.
- Belt Frame**
figures showing 22, i: 74, 76, 77, 78, 79, 80, 81, 115, 116, 117, 118, 132, 146, 147, 148, 154.
stone used in, from Pueblo ruins, description of 22, i: 73-81, 115-118, 146 sqq.
- Beltrami, J. C.**
on burial feast 1: 190.
on burial posts 1: 197.
on Dakota wild-rice moon 19: 1090.
on Dakotas 4: 104 sq.
- Beltrami, J. C.**—Continued
on influence of wild rice on geographic nomenclature 19: 1121, 1122.
on population of the Fox 19: 1051.
- Beltran, —**
on Maya numerals 19: 897.
on Maya numerals above ten 19: 890-893.
- Belts**
and belt buttons, Eskimo 18: 59-63.
description of 45: 69.
events recorded in 42: 455.
instructions in making 40: 303.
materials used for 42: 681.
of the Eskimo 9: 135-138.
of the Menomini 14: 272.
See also Belt; Belts, Wampum.
- Belts, Wampum**
Brice (W. A.) on use and repudiation of 2: 242, 246.
character of the patterns woven into 2: 240, 246, 248.
dimensions of 2: 250, 253.
keeper of the Iroquois 2: 241, 244.
made by Indian women 2: 249.
manufacture of 2: 248.
method of handling, in councils 2: 241, 246.
number of beads in 2: 233, 251.
profuse use of 2: 242.
rarity of, in collections 2: 249.
the Penn belt 2: 253.
use of, as mnemonic devices 2: 240, 254.
- Beluga.** *See Whale, white.*
- Ben** symbol in Maya hieroglyphs 16: 218, 245.
- Benabides, Dominga**
exaggerated statistics of 47: 24.
mention of 47: 258.
- Benavides, Alonso de**
on Acoma 29: 543.
on Chilili 29: 531.
on Isleta 29: 529, 530.
on Jemez 29: 402.
on methods of building pueblos 14: 520.
on Pecos 29: 476.
on San Ildefonso 29: 305.
on Sandia 29: 526, 527.
on Santa Clara 29: 241.
on Taos 29: 182.

- Benavides, Alonso de**—Continued
on use of dogs by Plains Indians 14: 527.
Southwestern missions founded by 13: 327.
- Bench**
around cliff kivas 16: 121, 136, 137, 138, 177.
domestic 38: § 328, 331.
for acouri, etc. 38: § 164.
in cliff outlook 16: 151.
wooden, of the Oyana 38: § 328.
See also Alligator Stools; Benches; Medicine-men, bench.
- Benches**
in Eskimo houses 18: 245, 246.
in Navaho houses 17: 496.
Mashongnavi mungkiva 8: 127.
Pueblo houses, around rooms of 8: 213.
Tusayan kivas 8: 121, 123, 125.
Zuñi rooms 8: 110.
- Benchlike Recess** in cliff kiva 16: 124.
- Bending-Post-Oak House Group**, story of 44: 207.
- Bendire, Capt. Charles**
on petrographs 4: 26.
petroglyphs reported by 10: 122.
stone relics from Oregon sent by 3: 492.
- Benel**, meaning of 16: 245.
- Bengal**, account sticks or strings used by natives of 10: 264.
- Benham Collections** of Gila Valley antiquities 28: 119.
- Běni'něna**, an Arapaho warrior society 14: 986.
- Benitez**, death of 14: 500.
- Bennings**, quartzite blades from 15: 79.
- Bennett**, —, agreement concluded by 18: 847.
- Bennett, L. E.**, on schools in Cherokee nation 19: 152.
- Benoit, Felix**, interpreter in Sioux outbreak 14: 865.
- Benopi** land cessions and reservations 18: 784.
- Benson, H. C.**, on Choctaw burial 1: 186.
- Bent, Charles**, on Nambé Pueblo 29: 358.
- Bent, George**
acknowledgments to 14: 655.
on absence of clans among the Cheyenne 14: 956.
- Bent, Jesse**, acknowledgments to 14: 655.
- Bent, William**
an early Indian trader 17: 172.
at treaty of 1865 17: 180.
on Plains tribes of 1859 17: 182.
trading post of 17: 283.
- Bent Horn**, exhibition of shamanism by 11: 417.
- Benta**, monochord musical instrument 38: § 571.
- Bentham**, —, on wild rice in eastern Russia 19: 1037.
- Bentham and Hooker**, on scientific synonym for wild rice 19: 1021.
- Bentley, Mrs.**, information supplied by 42: 839, 848, 849 sq.
- Bentley, Thomas**, steatite quarries reported by 15: 125.
- Bentley, William**, quoted on Salem's Indian policy 18: 605.
- Benton, Dr. Elbert J.**, editorial work of 23: xxxviii, xlii; 24: xxxiii; 25: xxiii.
- Benton, Owen's Valley, Calif.**
petroglyphs at 4: 31, 32.
petroglyphs near 10: 58.
- Bent's Fort**, account of 17: 382.
- Benzoïn æstivale**, medicinal use of 42: 657.
- Benzoni**
as a historian 25: 19 sq.
on character of Antilleans 25: 31.
on grinding maize 25: 106.
on Haitian ceremony for crops 25: 67.
on Haitian *zemis* 25: 54.
on treatment of the sick 25: 61 sq.
stone mullers figured by 25: 99.
- Benzoni, Girolami**, cited on Indian medicine-men 9: 461.
- Beothuk**, games of the 24: 97.
- Beothukan Family** 7: 57 sq.
- Bequia**
kitchen middens of 34: 89.
number of specimens from 34: 49.
- Berard, Father**. *See Haile, Rev. Berard.*
- Berberidaceae** 33: 83.
- Berberis Aquifolium** 45: 490, 502.
- Berberis Nervosa** 45: 490.

Berdaches

- beliefs concerning 11: 378.
- description of 45: 384.
- how detected 40: 257.
- mention of 11: 467, 516.
- reference to 42: 700.

See also Transvestites.

Berea, Ky., trail to 42: 802.**Berendt, C. H.**, Mayan studies of 21: xxvi.**Berg, H.** 46: 31, 104, 108, 113, 118, 119, 120, 123, 172.**Bergamot**, wild 33: 111.**Berger**, aid rendered by 17: 13.**Berghaus, Heinrich**, linguistic literature of 7: 16.**Bergmann, C. F. W.**, aid rendered by 17: XLVI.**Bering, Capt. I. I. or V.** 46: 209.**Bering Sea**

- amphitheater of migrations from Asia 46: 93, 95, 96.
- archeology of 46: 144, 168, 363, 366.
- crania from 46: 260, 364, 365.
- islands 46: 255.

Bering Sea Eskimo

- home of the 46: 238.
- mention of 46: 227, 359.

Bering Strait

- character of people on 18: 301 *sq.*
- crania from 46: 233.
- Eskimo of 46: 225, 226, 227.
- masks from 3: 135.
- memoir on Eskimo about 18: 19-51.
- umiaks used on 18: 217.

Berlin, Museum für Völkerkunde

- celts in 34: 177 *sq.*
- Guesde collection in 34: 128.
- West Indian objects in 34: 50, 215, 218.

Berliner, Emile, acknowledgments to 14: 655.**Berliner Gesellschaft für Anthropologie** etc., *Verhandlungen der*, cited 6: 409, 616.**Berkeley, Sir William**

- exploring expedition by 5: 138.
- instructions to 18: 626, 627.

Berkeley, Lord, grant to 18: 530, 588.**Berks County**, aboriginal quarries in 15: 78.**Bermejo.** *See Vermejo.***Bermuda Hundred, Va.**, trail from 42: 775.**Bernabe, Chrisástomo Gil de**, establishment of mission by 17: 80 *sqq.***Bernal, Capt. Cristóbal M.**, reference to 28: 16.**Bernaldez, Andros**

- on dress of Cuban cacique and wife 25: 35.
- on second voyage of Columbus 25: 203.
- on sentiments of Antilleans 25: 32.
- on wearing of masks by Antilleans 25: 136.

Bernalillo, location of Tiguex at 14: 391, 491.**Bernard, Joe** 46: 38, 167, 211.**Bernau, J. H.**, cited 30: 277, 302, 329, 343, 346, 356, 357, 358, 371.**Berra, Orozco y**

- on origin of Mexican number names 19: 875.

See also Orozco.

Berries

- as food among Omahas 3: 306.
- curing of, for food 45: 342.
- eaten by the Eskimo 18: 268.
- frame for drying 35: 167.
- Indian names of 45: 238 *sq.*
- in Sikyatki graves 17: 733.
- lists of, used for food 45: 89 *sq.*, 238 *sq.*, 343, 485.
- magic appearance of 32: 192.
- mention of 46: 116.
- preservation of 45: 93, 237, 240.
- use of, by the Chippewa 44: 321.
- use of, by the Menomini 14: 291.

Berry Baskets, set of 35: 211, 216.**Berry Cakes**

- as tribute to chief 35: 1337.
- bundles of 35: 263, 268, 281.
- making of 35: 271-274, 279.
- storing of 35: 274, 275.

Berry Dance of Northwestern Indians 14: 728.**Berry Pickers**

- hiring of 35: 211, 220.
- payment of 35: 220.

Berryhill, William

- dance description by 42: 527.
- informant 42: 534.

- Berryman, Thomas** 46: 31, 98, 99, 167.
- Berryville, Va.**, archeological material from 42: 18.
- Berthond, Capt. E. L.**, on pictographs 4: 27.
- Béshiltcha**, a Kiowa synonym 17: 148.
- Be'shiltchă**, a Kiowa synonym 14: 1078.
- Bess, Peter**
discovers stone coffins 12: 171.
mounds on land of, in Missouri 12: 170.
- Bessels, Dr. Emil**
acknowledgments to 7: 73; 9: 20.
cited 6: 412, 460, 486.
cited on Eskimo abduction 9: 411.
cited on Eskimo bows 9: 199.
cited on Eskimo children 9: 419.
cited on Eskimo dog sledges 9: 360.
cited on Eskimo mourning 9: 425.
cited on infanticide among the Eskimo 9: 417.
cited on fire-making by the Eskimo 9: 290.
description of Eskimo lamp by 9: 108.
mention of 46: 367.
on affinity of cliff-dwellers and Pueblos 17: 532.
on Eskimo superstitions 1: 198.
- Bessey, Dr. Charles**
on wild rice in Nebraska 19: 1031.
suggestions and encouragement given by 33: 46.
- Bessey and Weber**, on wild rice in Nebraska 19: 1022.
- Bête-rouge**, body vermin 38: § 512.
- Bethel** 46: 192.
- Betiděě**, Kiowa Apache name of the Arapaho 14: 953.
- Betoya**, number names of 19: 877.
- Betoye Indians**
beliefs as to god 30: 117, 118.
beliefs as to spirits 30: 181.
- Betrothals**
among the Eskimo 18: 291, 292.
among the Guiana Indians 38: § 868.
See also Marriage.
- Betsch, C.** 46: 31, 70 *sq.*, 170.
- Betting**
on races 46: 566; 47: 326.
on results of ball play 38: § 603.
- Betula**, used medicinally 42: 659.
- Betula Nigra**, use of 44: 287, 342.
- Betula Papyrifera**
mention of 33: 75.
use of 44: 288, 364, 369, 377.
- Betulaceae** 33: 74.
- Bevan, Joseph Vallence**, brief compiled by 42: 309.
- Beveled Flints**, notes on 13: 177.
- Beverages**, used by the Chippewa 44: 317.
- Beverley, R.**, on Virginia Indian land clearing 13: 72.
- Beverley, Roger**, on stick games, Powhatan 24: 232.
- Beverly, Robert**
cited 12: 668, 685, 686; 30: 47.
describes shell beads 2: 229.
describes shell money 2: 237.
describes shell pendants 2: 256.
describes shell spoon 2: 201.
mentions shell knives 2: 202.
mentions shell tweezers 2: 212.
on Indian agriculture 12: 617.
on shell ornaments 5: 92.
on Virginia mummies 1: 131.
- Bevill, Doctor** —, excavations made by 44: 465.
- Beyer, George E.**, on wild rice in Louisiana 19: 1030.
- Bíako**, shooting of 17: 335.
- Biañki**
account of 14: 909 *sq.*
compared with other prophets 14: 930.
influence of, in Ghost-dance 14: 914.
- Bible**
on war symbols 4: 88.
Shaker regard for the 14: 750, 755.
story among the Cherokee 19: 235 *sq.*
translation of, into Cherokee 19: 108, 110 *sq.*, 163.
use of, in Peyote religion 37: 394.
- Bibliography**
linguistic, work on 13: xli.
of Coronado Expedition 14: 599.
of North American languages 3: xxvi.

Bibliography—Continued

- of North American philology 1: xv; 2: xxi.
of the Bureau of American Ethnology 16: ci-cxix.
of the languages of North American Indians 6: xxiv *sqq.*
of the Snake dance 16: 312.
select Fox 40: 30-36.
summary of work in 15: LXXXVII.
work in 14: XLIII; 15: XXIII, XXVI, XXXI, XXXV, XL, XLIX, LIV, LXI, LXV, LXVIII; 16: XXI, XXV, XXVIII, XXXII, XXXVII, XXXIX, XLI, XLV, XLIX, LXXVII; 17: LV; 18: XLVI; 19: xxx; 29: 585 *sqq.*; 30: 113-116; 31: 39; 44: 368.
- Bice'waan.** *See* Love Songs.
- Bickales**, duties of 47: 52 *sq.*, 55.
- Bickford, F. D.**, on cliff houses in Walnut Canyon 17: 532.
- Bickford, F. T.**
cliff ruins described by 16: 81.
field work of 6: xxviii.
- Bickmore, Albert S.**, allowed use of masks 3: 101.
- Bidai**, status of the 14: 1093.
- Biddle, Maj. J.**, Indian operations under 17: 212.
- Biddle, James W.**
on duck in Green Bay 19: 1098.
on death of Tomau 14: 56.
on wild rice eaten with corn and fish 19: 1084.
quoted on Tomau 14: 54 *sq.*
- Biedma, Luis Hernandez de**
cited 12: 646, 648, 669, 685.
on De Soto's expedition 19: 26, 191-201.
- Bienville, —**, on Natchez among Cherokee 19: 386.
- Bierce, L. V.**, cited 12: 658.
- Bifa**, a vegetable dye 25: 34.
- Big**, pictographs meaning 10: 586 *sq.*
- Big Bear.** *See* Yâne'gwa.
- Big Blue River**, remains of Pawnee villages on 20: 200.
- Big Bone Creek**, trail terminated at 42: 789.
- Big Bone Lick**
description of 42: 790 *sq.*
extinct animals buried at 42: 742.
- Big Bone Lick—Continued**
importance of 42: 790.
salt making at 42: 741 *sq.*
trails to 42: 788, 789, 793.
- Big Bow.** *See* Zépko-eétte.
- Big Burro Canyon**, reference to 28: 209.
- Big-Canoe**, a subchief of the Pend d'Oreilles 45: 377.
- Big Cook.** *See* U'hontonga.
- Big Cove**, purchase of 19: 161.
- Big Cypress Swamp**, Seminole settlement 5: 477, 478, 499, 507, 529.
- Big Eagle**
a Flathead chief 45: 376.
story of 45: 362.
- Big Elk**, name of three Omaha chiefs 27: 83 *sq.*
- Big Elk, Omaha Chief**
account of 27: 83 *sq.*, 631, 632.
keeper of pack 27: 554 *sq.*, 558 *sq.*
references to 27: 205, 405, 518, 562.
- Big Elk, John**
acknowledgments to 11: 362.
quoted on fetishes 11: 414.
- Big Face.** *See* Tó'-édalte.
- Big Foot**
arrest of band of 14: 876.
complaints by bands of 14: 836.
excitement among band of 14: 848.
game-wheel carried by band of 14: 1075.
ghost dance at camp of 14: 847, 853.
illness of 14: 868.
joined by Sitting Bull's warriors 14: 860.
killed at Wounded Knee 14: 870.
military movement against 14: 864.
participation of, in Sioux outbreak 14: 861.
second flight of 14: 865.
surrender of 14: 867.
- Big Fox's Village**, location of 37: 51.
- Big Goat.** *See* Tlisso Tso.
- Big Grizzly Bear**, cited on jugglery 11: 417.
- Big Harpeth River**, Indian settlements on 41: 561.
- Big Hawk**, a Flathead chief 45: 376.
- Big Hawk's Village**, location of 37: 51.
- Big Head.** *See* Â'daltoñ-édal.

- Big Heart**
 acknowledgment to 27: 58.
 on groups of Osage 27: 62.
- Big Horse Creek**, rock carvings on 4: 22.
- Big House.** *See* **Square Ground.**
- Big Indian Rock**, Pa. 10: 106 sq.
- Big Jack**
 Hilibi informant 42: 488.
 information from 42: 111, 164, 256, 545, 546, 624.
- Big Knife**
 a Kutenai chief 45: 378.
 name applied to the English 27: 611 sq.
- Big Lake**
 ceremonial objects from 18: 412, 413.
 implements and utensils from 18: 65, 70 sq., 105, 106, 107, 112 sq., 134, 136, 147, 149, 157.
 manufactures from 18: 199 sqq.
 memorial images at 18: 318 sq.
 ornaments from 18: 54, 58.
 physical characteristics of people of 18: 27, 29.
 toys from 18: 343, 346.
 transportation apparatus from 18: 223, 225.
 village near, description of 18: 248.
 Yukon Delta, Eskimo 46: 227.
- Big Lick**
 cession of reserve at 18: 764.
 reservation at 18: 700.
- Big-looking-glass.** *See* **Piänä'-vonit.**
- Big Man**, portrait made of 34: 28.
- Big Miami River**, trail up 42: 840.
- Big Mouth**, reference to 40: 399.
- Big Mush.** *See* **Hard Mush.**
- Big Pawnee**, flutes made by 13: 282.
- Big Ribs.** *See* **Gúatoñ-Bain.**
- Big Road**
 as a peacemaker 14: 887.
 delegate to Washington 14: 891.
 emissary to Bad Land's refugees 14: 867.
 Oglala chief 10: 420.
- Big Road's Roster** 4: 174 sqq.
- Big Rock**
 cession of reserve at 18: 764.
 reservation at 18: 700.
- Big Sail**, reservation for 18: 756.
- Big Sandy**, trail along the 42: 765, 766, 767, 768 sq.
- Big Sioux River**
 location of village sites on 41: 64.
 references to 27: 73, 74, 80.
 works along 12: 35, 38.
- Big Spring**
 cession of reserve at 18: 734.
 reservation at 18: 690.
- Big Thunder**, material made by 24: 406.
- Big Tree**
 reservation at 18: 658.
See **Ä'do-eétte.**
- Big Turtle**, myth of 11: 369.
- Big Warrior**
 head chief of Upper towns 42: 315, 329.
 speaker for Upper Creeks 42: 328.
- Big-witch**, death of 19: 179.
- Bigamy** among the Eskimo 18: 292.
- Bigelovii**, Pima medicinal plants 26: 79.
- Bigelovia Douglasii**, *Sagebrush.*
 used as thatch to Navaho sweat house 8: 239.
 used to produce smoke to sweat houses 8: 240, 244.
- Bigelow**, —, cited 30: 41.
- Bigness**, greatness connoted by 30: 192 sq.
- Bignonia Chica**
 a pigment 38: §28.
 for body painting 38: §512.
 for pottery 38: §94.
 hammock staining with 38: §478.
 species of, for basket weaving 38: §100.
- Bignonia Crucigera**, used medicinally 42: 670.
- Bigotes**
 captain of Cicuye Indians 14: 490.
See also **Whiskers.**
- Bikúde**, an Omaha village 13: 270.
- Bilboquet.** *See* **Cup and Ball.**
- Bill**, Nix (W. P. Matthews), Osage traditions dictated by 6: 377.
- Bill Williams River**, references to 28: 186, 208, 209.
- Billegas, Francisco de**
 agent for De Soto in Mexico 14: 366.
 correspondence of, with De Soto 14: 370.

- Billings, Capt. J.**, map of 46: 176.
Billings, J. S., on statistics of trepanation 16: 16.
Billing's Expedition, labrets and masks figured by 3: 90, 128, 136, 141.
Billy, brother of Key West Billy 5: 492 *sqq.*, 499, 528.
Billy Hardjo. *See* Tah-Coo-San-Fixico.
Billy John. *See* Sha'awě.
Biloxi
 affinity with the Siouan 15: 159.
 a Siouan tribe 7: 112.
 divisions of the 15: 164.
 early habitat of the 7: 114.
 in Texas, union of, with Cherokee 19: 143.
 language, studies of 13: XL.
 mortuary customs of the 13: 21.
 population of the 7: 118.
 present habitat of the 7: 116.
 researches among the 28: 12.
 sociology of the 15: 243.
 studies among the 13: xxxiii; 15: xxii, xxx.
 study of the language of the 14: LX.
 taboo among the 15: 177.
 tribe of Choctaw confederacy 19: 500.
See also Biloxi Indians.
Biloxi Dictionary, work on 29: 14.
Biloxi Indians
 cultural distinctions of 42: 713.
 descent among the 42: 696.
 information regarding clans of 42: 118.
 linguistic researches among the 8: xx.
 responsibility of, for Gulf Coast pottery 20: 105.
See also Biloxi.
Bilqula Indians, tattooing of the 10: 407.
Bimiti, or humming-bird dance 38: § 587.
Bimiut 46: 198.
Binary Concept among primitive peoples 19: 836 *sqq.*
Binary-Ternary System among primitive peoples 19: 842, 847 *sq.*
- Binas**
 charm 38: § 162.
 legends concerning 30: 286 *sq.*
 nature of 30: 281-288.
 nose string 38: § 63.
 specific attractions of 30: 281 *sq.*, 284.
 use of 30: 282, 286 *sq.*
See also Charms.
Bingham Mounds. *See* Rufus Bingham Mounds; Ira Bingham Mounds.
Bins, for storage in Tusayan rooms 8: 109, 209, 210.
Biographic Pictographs 4: 208-218.
Biography
 classification of 10: 571.
 continuous record 10: 571-575.
 particular events 10: 575-582.
 pictographic forms of 10: 571-582.
Biological Survey, explorations of, in Alaska 46: 29.
Biology, defined 15: xvii.
Biotic Characters of the Seri 17: 133*.
Birch
 Eskimo tobacco implements made of 18: 279.
 used in basketry 41: 145, 148.
See also Birch Bark; etc.
Birch, Black, use of 44: 287, 342.
Birch, White
 use of 44: 288, 364, 369, 377.
 used medicinally 42: 659.
Birch Bark
 articles made of 44: 387-397.
 baskets of 45: 222.
 boxes, "mocoeks" used for storing and carrying wild rice 19: 1066, 1072.
 canoe 46: 55.
 canoes, Nenenot 11: 304.
 canoes, used in wild-rice harvest 19: 1017, 1056-1070.
 dishes 46: 37, 83, 136, 170.
 Eskimo tobacco implements made of 18: 274.
 fans and matting wigwam 19: 1017.
 fans, used in winnowing wild rice 19: 1071.
 gathering of 44: 386.
 in burials 46: 63, 70.
 in houses 46: 82.

Birch Bark—Continued

- objects of 46: 142, 170, 173.
- pictographs, Abnaki 10: 201, 213 sq., 468 sq.
- pictographs, Amalecite 10: 334 sqq.
- records and songs of the Midē'wiwin 7: 286-289.
- songs recorded on 14: 107.
- tools used by Eskimo in working 18: 90.
- use of, for baskets 11: 301.
- use of, in aboriginal industries 23: XIII, XXXI.
- used for canoes 14: 293.
- used for house building 14: 253.
- used for utensils 14: 288.
- used in juggler's lodge 14: 146.
- used in medicine lodge 14: 72.
- winnowing tray for wild rice 19: 1070 sq.

See also Birch; etc.

Birch Tree

- myth concerning 43: 189.
- regarded as sacred 44: 381.

Bird

- as a wind symbol 16: 219.
- basketry pattern 38: § 444.
- carving of eagle's head 2: 285.
- catching of 33: 635, 663.
- catching song 33: 625.
- converted into man 32: 181.
- embodiment of the, in art 2: 280.
- engraved on bone 2: 284.
- engraved on shell gorgets 2: 284.
- engraved on stone 2: 284.
- examples of the, engraved on shell gorgets 2: 281.
- figures on Hopi pottery 17: 660.
- figures on Sikyatki pottery 17: 658, 682-698, 714.
- gold ornament representing head of 2: 285.
- idol in form of, Casa Grande 28: 121.
- imitation of flight of, by Hopi kateinas 21: 78.
- myths of the 2: 280.
- ornaments from Awatobi 17: 628.
- personation of, in Powamû 21: 32.
- pictures of, in Hopi festivals 21: 41, 42
- representation of, by Hopi kateinas 21: 79.

Bird—Continued

- representation of, in Hopi festivals 21: 47.
- representation of sun by 21: 122.
- representation of sun god by 21: 24.
- Serian and Yuman names for 17: 332* sq.
- significant character of the, in engraved designs 2: 281, 284.
- species of, represented 2: 282, 284.
- superstitions in regard to the 2: 280.
- symbols in Maya codices 16: 219, 220, 225, 226, 251.
- the Dakota's Thunder bird 2: 281.
- totemic use of the 2: 284.
- vessels from Awatobi 17: 624.
- worship of the 21: 29.
- See also Birds; etc.*
- Bird-appearing.** *See T'ené-badaí.*
- Bird Arrow,** Eskimo 18: 159.
- Bird Bone Artifacts** 44: 133.
- Bird Calls,** imitation of, in Hopi festivals 21: 43, 49, 88.
- Bird Cherry,** used in basketry 41: 145.
- Bird-cherry Bark** 35: 157.
- Bird Clans**
 - feast of 37: 318-321.
 - native names for 42: 115.
 - of the Cherokee 42: 118.
 - origin of 42: 111, 113.
 - story concerning 42: 108; 44: 201.
- Bird-claw Pendants** 44: 136 sq.
- Bird Dance**
 - in Soyaluñia festival 21: 25.
 - of the Eskimo 9: 210-214.
 - of the Kwakiutl Indians 35: 876, 877.
 - performance of, in Powamû festival 21: 25.
- Bird Designs**
 - mention of 41: 257, 334, 342.
 - See also Bird Form; Butterfly Design.*
- Bird Effigies**
 - appearance of, in Hopi festivals 21: 49, 88.
 - at Mishongnovi Cakwaleñya altar 19: 992.
 - at Mishongnovi Flute altar 19: 991.

Bird Effigies—Continued

- at Shipaulovi altar 19: 995.
- clay, from Pueblo ruins 22, i: 109.
- in Tusayan ceremony 15: 286.

Bird Eggs, finding of, in graves in Pueblo ruins in Arizona 22, i: 111.

Bird Fetish. *See* Su'ti'ki.

Bird Form (and Designs).

- Appalachee-Ohio pottery 20: 180, 181.
- eastern United States pottery 20: 63, 65, 67.
- eastern United States pottery, significance of 20: 100.
- figures showing 22, i: 67, 68.
- Florida Peninsula pottery 20: 123, 124, 126, 128, 129.
- Gulf Coast pottery 20: 106 sq.
- Iroquoian pipes 20: 174.
- Lower Mississippi Valley pottery 20: 104.
- Middle Mississippi Valley 20: 85, 87, 88, 92, 94, 95, 96.
- Northwestern pottery 20: 193, 194.
- South Appalachian pottery 20: 139-240.
- vases and vessels from ruined pueblos of Arizona, features of 22, i: 66-69.

See also **Animal; Bird Designs; Life.**

Bird Gods, mention of 33: 301, 334, 619, 623, 636, 640, 655, 661.

Bird Lime, for stone-chip graters 38: § 335.

Bird-shape Stones described and figured 13: 135.

Bird-snake Vase from Cheylon 22, i: 68.

Bird Snares and Nets, Eskimo 18: 131.

Bird Societies, organization of 11: 70.

Bird Stones 34: 221.

Bird Tail King, Kasihta chief 42: 322.

Bird Town, purchase of 19: 161.

Bird Tracks in Hopi katecina's pictures 21: 87.

Birds

- associated with powers of air 27: 404.

Birds—Continued

- associated with thunder 27: 415 sq. 426, 434, 437, 441.
- beliefs concerning 30: 371; 47: 639.
- breastbones of 38: § 669.
- carved in ivory by the Eskimo 11: 260.
- carvings of, by the Kwakiutl 35: 807, 810.
- destructive to wild rice 19: 1027.
- domestication of, by Indians 2: 138; 42: 694.
- domestication, taming and in captivity 38: § 716, 724.
- Eskimo account of creation of 18: 455.
- Eskimo clothing made from the skins of 18: 30 sq.
- Eskimo fishing implements made from skins of 18: 178.
- Eskimo ideas for catching 9: 244 sqq.
- Eskimo method of dressing skins of 18: 118.
- Eskimo method of impounding 18: 135.
- footprints of 38: § 696 sq.
- game 46: 91, 94, 95, 110.
- impersonation of, in dances 33: 274.
- in Sacred War Pack 27: 411, 412.
- in Tlingit calendar 26: 426.
- list of, eaten by Indians 46: 583.
- Mänäbush and the 14: 203.
- methods of capturing 38: § 176.
- myths and lore concerning 19: 241, 243, 251, 280-294, 300, 401, 442, 453, 454.
- myths concerning 11: 153.
- names 27: 104 sq.
- nests of 38: § 667.
- of prey, tabooed as food 42: 518.
- of Pueblo region 14: 521.
- of Seriland 17: 37, 38.
- of the Point Barrow region, Alaska 9: 56 sqq.
- of the Ungava district 11: 175.
- omens from 30: 274 sq.
- plants associated with 30: 38.
- plumage of, origin of 30: 212, 225 sq.
- regard for, in Hako ceremony 22, ii: 23.
- sayings about 27: 335.
- spirits incarnated in 30: 174 sq.

Birds—Continued

stone, from Woodruff Butte
22, i: 135.

string figures of 38: § 669.

stuffed, used in Ghost dance 14: 916.

supernatural 42: 498.

traps for catching 38: § 675.

treatment of 22, ii: 55.

use of, in making medicines 37: 262.

weather foretold by 30: 269.

with burials 46: 115.

See also Bird; Thunder-bird; etc.

Birds, Cardinal. *See* Cardinal Birds.

Bird's Head

appearance of, in pictures of Hopi
kateinas 21: 77.

use of, in battle 14: 790.

Bird's Nest, symbolism of 22, ii: 170.

Birdsall, W. R., cliff ruins described
by 16: 81, 163.

Birgan, meaning of the word 1: 93.

Birket-Smith, K., mention of 46:
331.

Birth

gifts four days after 35: 841 sq.

of a child announced to its grand-
parents 35: 877.

Omaha ceremony on fifth day after
3: 245.

premature, production of, by Zuñi
23: 296.

See also Birth Customs; Child-
birth.

Birth Customs

mention of 47: 132-135, 214, 537,
540.

and beliefs of the Kwakiutl In-
dians 35: 649-655.

of the Creek Indians 43: 389.

of the Omaha cognates 27: 115, 116.

of the Winnebago 37: 126.

of the Zuñi 23: 294-303.

practices after accouchement 23:
297.

See also Birth; Childbirth.

Birth Marks, cause of 30: 326.

Birth Names

Omaha 3: 227, 231, 232, 236, 237,
239, 240, 243, 244, 245, 248.

origin of 43: 32.

Bis, mentioned 44: 35.

Bishop, W. H., on wild rice in Dela-
ware 19: 1029.

Bishop's Rock 46: 52.

Bison

absence of bones of 41: 493, 608 sq.
Alvarado's journey among 14: 576.
connection of Calako horns with
21: 110.

Coronado's army supplied with meat
of 14: 577, 581.

described by Cicuye Indians 14:
490.

described by Colorado River Indians
14: 405.

described by companion of Coronado
14: 570.

described by Coronado 14: 580.

described by Jaramillo 14: 587.

description of 14: 527, 541, 543.

early disappearance of 42: 693.

first printed reference to 41: 609.

first seen by Coronado's force 14:
391.

imitation of hunt of, in Hopi festivals
21: 31.

influence of, on modern Dakota mi-
grations 19: 1044.

in myth and religion of the Indians
41: 611.

killed by Plains Indians 14: 504.

late arrival of, in middle Tennessee
41: 555, 611.

pile of bones of 14: 542.

possible influence of, on early Siouan
migrations 19: 1043.

skins of, found by Coronado at Cibola
14: 560.

stampede of 14: 505.

symbolic hair cut representing 43:
94 sq.

See also Buffalo; Muscaras.

Bison Clan

mentioned by Adair 42: 119.

native names for 42: 115.

Bison Dance

description of 42: 527.

mention of 42: 523, 524.

performance of 42: 573 sq.

See also Buffalo Dance.

Bison Disease, mention of 42: 640.

Bison Hair, used as a charm 42:
501.

Bison-like Figure on food bowl from
Chevlon 22, i: 72.

Bison Medicine, use of 42: 658.

Bison Skin, used for legendary record
42: 33 sq.

- Bissel, C. T.**, survey by 18: 833.
- Bitahi'něna**, an Arapaho warrior order 14: 988.
- Bitāye**, another name of Sitting Bull 14: 896.
- Bitter Man, The**, in Pima legend 28: 43 sq., 60 sq.
- Bitter Root Valley**
establishment of reserve at 18: 810.
removal of Flatheads from 18: 858.
- Bitter-sweet**
medicinal use of 42: 661.
mention of 33: 102.
use of 44: 288.
See also Celastus Scandens.
- Bittern**, a man-being in Iroquoian cosmology 21: 179, 285.
- Bitterroot**, use of 45: 478, 479, 480, 507.
- Bitterweed**, use of 45: 534.
- Bi''si'si**
creation of 23: 408.
See also Mythology.
- Bitumen**, used by Indians in making rafts 14: 407.
- Bixa Orellana**
a pigment 38: § 28.
for artificial feather coloration 38: § 84.
for body painting 38: § 512.
for pottery 39: § 94.
timber for fire-sticks 38: § 1.
- Black, William J.**, cited on magic knots and cords 9: 570, 572, 573, 575, 576, 577, 579, 580.
- Black**
and red ware from Pueblo ruins 22, i: xxxiv, xxxvi, xxxix, 60.
and white ware from Pueblo ruins, reference to 22, i: 59 sq., 180.
incised group of Chiriquian pottery 6: 80.
or brown pottery from Santa Clara 2: 447.
pottery, manufacture of 2: 330.
pottery, polished, from Santa Clara 2: 443.
red, and white ware from Pueblo ruins 22, i: 60 sq., xxi-xxv, xxxiii-xxxvi, xxxviii.
Serian and Yuman words meaning 17: 335* sq.
ware, from Pueblo ruins, reference to 22, i: 59, 179.
- Black Bass**, a man-being in Iroquoian cosmology 21: 225.
- Black Bear**
a life symbol 36: 105, 108, 123, 130.
as a symbol 39: 193, 214, 238, 244, 327.
footprints of, a war symbol 36: 76.
sacred soil disclosed by 39: 186.
special connection with man 27: 512, 518.
symbolized in Shell society 27: 559.
- Black Bear**, or Mato Sapa's chart 4: 94, 99-127.
- Black Bear Gens**
ceremonial rank of 36: 105 sqq.
Ni'-ki wi'-gi-e of 36: 219-236.
office of 39: 346.
personal names of 43: 133 sqq.
songs belonging to 39: 316.
symbolic hair-cut of 43: 92.
wi'-gi-e of 39: 154-164.
See also Wa-ça'-be Gens.
- Black Bear Songs** 39: 185-192, 344-347; 45: 644 sqq.
- Black Bird.** *See Gúato-koñgya.*
- Black Bob's Band**, land cessions and reservations by 18: 792, 894.
- Black Buffalo**
a Ghost dance leader 14: 902.
See also Pa-kóñkya.
- Black Chicken.** *See Siyo Sapa.*
- Black Chief**, a Seneca informant 32: 52.
- Black Cinnamon**, timber for clubs 38: § 150.
- Black Coal**
an Arapaho chief 14: 956.
opposition of, to Ghost dance 14: 808.
- Black Coyote**
an Arapaho Ghost dance leader 14: 897, 898.
acknowledgment to 14: 655.
sacred plant obtained by 14: 1029.
song rehearsal in tipi of 14: 819.
visit of, to Wovoka 14: 774, 775, 894, 900, 903.
- Black Creek**, reference to 42: 38.
- Black Deities** of Maya codices 16: 208.
- Black Dirt**, home of, in Oklahoma 42: 394.

Black Dog, Chief

list of gentes given by 36: 52.
on visions among the Osage 27:
132 sq.

Osage legends told by 27: 62.

Black Dog's Band of the Osage 15:
193.

Black Drink

ceremonial and medicinal properties
of 42: 666.

ceremony of 44: 262.

ceremonial drinking of 42: 537,
538-544.

ceremony connected with 42: 245.

ceremony of serving of 42: 537,
538, 544.

customs connected with 42: 182,
183.

effect of 42: 538, 541, 542.

mention of 42: 485, 503, 536.

mention of, by Adair 44: 265.

method of brewing 42: 536, 538,
541, 542, 543.

method of disgorging 42: 539, 541.

not taken by women 42: 540, 543.

precedence in serving 42: 544.

preparation at square 42: 185.

really "the white drink" 42: 548.

religious beliefs concerning 42: 538.
taken daily by Tukabahchee officials
42: 543.

See also Asi; Cassine; Ilex Vomito-
ria.

Black Dye, source of 30: 80.

Black Eagle. *See Gúato-kóngya.*

Black-earth Medicine Feast, men-
tion of 37: 318.

Black Eye and White Eye, dice game
of the Cherokee 24: 105.

Black-eyed Susan in Cherokee lore
19: 420.

Black Eyes, Isletan moiety 47: 261.

Black Eyes Ceremony, date of 47:
290.

Black Falls, reference to ruins near
42: 4.

Black Falls of Little Colorado River.
See Little Colorado River.

Black Falls Ruin, reference to 28:
157.

Black Fish, a Shawnee chief 42: 788.

Black Fish

a life symbol 36: 99.

Black Fish—Continued

Eskimo implements for catching
18: 181, 184 sq.

Black Fox

a Cherokee chief 42: 839.

annuity for 19: 85.

enactment signed by 19: 86 sq.

firing at Wounded Knee begun by
14: 869.

Black Fox Spring, naming of 42:
839.

Black Fox Trail 42: 837 sq.

Black Hawk

characterization of 37: 441.

grave of 5: 33, 34; 12: 110, 111.

mention of 33: 115.

offering to 37: 429, 463.

scenes of battle by 12: 46.

Black Hawk's Camp, location of 37:
99.

Black Hawk's Island, camp site 37:
99.

Black Hide. *See Giaká-ite.*

Black Hills (South Dakota)

Cheyenne possession of 17: 166.

Dakota discovery and possession of
17: 155, 157.

discovery of 4: 130.

former Indian occupancy of 15:
190.

formerly occupied by the Kiowa
14: 1079.

inhabited by the Cheyenne 14:
1024.

Kiowa expulsion from 17: 157.

Kiowa possession of 17: 155, 156.

mythic origin of 17: 160.

reference to 27: 102.

result of a settlement of 14: 825,
826, 1059.

Black Horse

death of 17: 297.

shooting of 17: 213.

Black Kettle

a Cheyenne chief 17: 324.

surprise of 17: 187.

Black Lake Valley, pictographs at
4: 31.

Black-leg People, a Kiowa warrior
order 14: 989.

Black Legs, a Kiowa military order
17: 230.

Black Mountain

in Pima mythology 26: 213.

in Pima song 26: 298.

myths concerning 19: 432, 450.

Black People, of Zuñi tradition 13: 343, 424.

Black Pigments 38: § 30.

Black River, salt stream entering 20: 31.

Black River Chippewa

confederation of Munsee with 18: 821.

land cessions and reservations by 18: 758, 812, 820, 834.

Black Rock Springs (near Milford, Utah).

petroglyphs at 10: 117.

pictographs at 4: 27.

Black-root, medicinal use of 46: 425 sq.

Black Short Nose

acknowledgments to 14: 655.

an Arapaho chief 14: 956.

Wovoka's message delivered 14: 780.

Black Shoulder Gens

birth names of 3: 231.

myth of creation of 3: 229.

mythical origin of 3: 229.

names of 3: 231.

of the Omahas 3: 228-233.

style of wearing the hair 3: 230.

subgentes of 3: 230.

taboo of 3: 230.

Black Skin, a Tlingit mythological being 26: 434.

Black Snake

a life symbol 36: 103.

myths concerning 19: 288 sq., 296, 431.

Black Tiger

legends connected with 30: 213 sq., 215 sq., 217 sq.

thunder due to roar of 30: 270.

Black Tripe. *See* Kóñabíñate.

"Black Vomit," Pima attacked by 26: 43.

Black Walnut 30: 74.

Black-warbonnet-top. *See* Tā'n-kóñkya.

Black Water-spirit, cured of consumption 37: 392.

Black Weed, medicinal use of 42: 658.

Black Wolf. *See* Gúi-koñgya.

Black Wolf's Village, location of 37: 51.

Blackberry

belief concerning 45: 508.

medicinal use of 43: 265; 45: 471.

myth concerning 19: 259.

use of 44: 292, 307, 340, 358.

use of, for food 45: 487, 488.

Blackbird

a prominent Osage 45: 534.

an Omaha chief 15: 192.

Indian chief, account of 27: 82.

Blackbird, A. J.

on Menomini totems 14: 44.

on signification of Mānābush 14: 162.

on use and meaning of "min" 19: 1024.

Blackbird, customs concerning 11: 410.

Blackbird Clan, native name for 42: 117.

Blackbird Creeks, references to 27: 91, 630.

Blackbird Dance

mention of 42: 524.

reason for not dancing 42: 529.

Blackbird Hills, reference to 27: 83.

Blackbird's Burial 1: 139.

Blackbird's Town

cession of reserve at 18: 764.

reservation at 18: 700.

Blackburn, Rev. Gideon, establishment of school among Cherokee by 19: 84.

Blackburn, J. C. S., vase from mound presented by 3: 507.

Blackens Himself. *See* Koñpä'te.

Blacket, W. S., cited 4: 251.

Blackfeet

a Teton division 14: 1059.

absence of Ghost dance among 14: 816, 817.

account of the 15: 219.

baskets bought by 41: 135.

burial lodges of the 1: 154.

cairn burial of the 1: 161.

definition of 4: 97.

dog soldiers of the 14: 986.

eagle trapping by the 14: 993.

former union of, with the Cheyenne 14: 1025.

Blackfeet—Continued

- games of the 24:
 - dice games 56 *sqq.*
 - hand game 269, 276, 305, 317.
 - hoop and pole 443 *sq.*, 502.
 - tops 734.
- habitat of the 15: 160.
- Kiowa hostility to 17: 241.
- Kiowa name of the 17: 160.
- mention of the 4: 102, 104, 106, 114, 121, 122, 227.
- method of catching eagles practiced by the 19: 453.
- migration of the 46: 405 *sq.*
- myths of the 19: 432, 447, 451.
- native name of the 14: 957.
- name of the Gros Ventres by 14: 955.
- Omaha name for the 27: 102.
- poisoned arrows used by the 14: 285.
- rock carvings of the 4: 24.
- smallpox among the 17: 275.
- Tenskwatawa religion among the 14: 680.
- tree burial of the 1: 161.
- tribal signs for 1: 412.
- war customs of the 17: 259.
- White Buffalo Hide among 27: 284.
- See also Blackfoot; etc.*

Blackfeet Indians, figures sketched by 10: 130.**Blackfoot**

- crania, work done on, by Michelson 44: 5.
- data on scalp and war dances of 40: 548.
- divisions of the 45: 304.
- Flathead name for 45: 302.
- land cessions and reservations 18: 812 *sqq.*, 864, 874, 876, 880, 902, 924 *sqq.*
- name of, in sign language 45: 148.
- original territory of 45: 321.
- southern movement of 45: 316-319.
- story of battle of, with Salish 45: 125-128.
- wars of, with Coeur d'Alène 45: 125-128.
- warsof, with Flathead 45: 361-365.
- See also Blackfeet; etc.*

Blackfoot Language

- cluster *st* in 28: 234.
- reference to 28: 186, 225.

Blackfoot Language—Continued

- relationship of 28: 22, 229-232, 235, 237, 289.
- Blackmore**, —, on arrow chipping 13: 142.
- Black's Canyon**, cliff-house at mouth of 28: 197 *sq.*
- Black's Ranch**, reference to 28: 195, 196, 197.
- Black's Station**, encounter at 19: 48.
- Black Warrior River**, reference to 42: 38.
- Blackwater, William**, information furnished by 26: 18.
- Blackwater, Ariz.**
 - pictographs near 28: 148.
 - Pima day schools 26: 34.
 - Pima dwellings 26: 153.
 - Pima sacred places 26: 255.
 - Pima village 26: 23.
 - references to 28: 37, 62, 115.
- Blackwell, Thomas**
 - appointment of 41: 95.
 - work of 41: 94, 115; 42: 18; 43: 17; 44: 17; 46: 15; 47: 12; 48: 19.
- Bladder**, the hero, offerings to 37: 441.
- Bladder Feasts**, of the Eskimo 18: 379-393.
- Bladder Trouble**, treatment of 42: 655 *sq.*, 658, 659.
- Bladders**
 - enema made of animals' 38: § 921.
 - Eskimo floats made of 18: 141, 188.
 - Eskimo musical instruments made of 18: 350.
 - used as receptacles 13: 280.
- Blade**
 - and celt making compared 15: 102.
 - experiments in, and celt making 15: 151.
- Blade-grass Basketry patterns** 38: § 444.
- Blades**
 - destiny of, from quarry shops 15: 148.
 - iron, recovered from mound 44: 166.
 - See also Leaf-shape Blades.*
- Blaeu, Jean**
 - on Pecos 29: 476.
 - on Santa Ana 29: 521.
 - on Taos 29: 182.

- Blagden, Thomas**, on Piny Branch quarries 15: 35.
- Blair, Miss Emma Helen**, authority on writings of the Jesuits 19: 1113.
- Blair, James**, Georgia commissioner in treating with the Cherokee 5: 236.
- Blake, Lady Edith**
cited on Jamaican skull heaps 25: 87.
material collected by 24: 97.
petroglyphs described and sketched by 10: 137 *sqq.*
- Blake, P.**, on Caliche 26: 87.
- Blanchard's Fork Ottawa**, land cessions and reservations by 18: 686, 734, 826, 842, 858.
- Blanchard's Fork Wyandot**, land cessions and reservations by 18: 690, 734.
- Blanchets**, two, first priests among the Flathead 45: 385.
- Blanching Silver**, Navaho method of 2: 175.
- Blanco, Ruiz**, cited 30: 139.
- Bland, Edward**, travels of 42: 779.
- Bland, Dr. T. A.**, Red Cloud census loaned by 4: 176, 177.
- Blandina River**. *See* Roanoke River.
- Blankets**
appearance of, in Hopi katecina representations 21: 60.
blessed, used at Zuñi feasts 9: 526.
counting of 35: 1055, 1067 *sq.*
designs on 41: 360.
formerly used to cover doorways 8: 182, 188, 189, 194.
given in feast 35: 1062.
materials used for 41: 355.
Navaho 3: 380-388.
of the native American cotton 14: 517.
pin for, made of yew-wood 35: 118.
rabbit-skin 45: 226.
use of, in Hopi festivals 21: 37, 40, 42, 46, 47.
weaving of 2: 434.
worn reversed by Hopi katecinas 21: 84.
- Blankinship, J. W.**, on absence of wild rice in Montana 19: 1031.
- Blankinstone, Mrs.**
copper plate obtained by 12: 153.
silver articles in Minnesota mound found by 12: 715.
- Blase, Father**, —, Menomini grammar and dictionary by 14: 295.
- Blazing Star**
mention of 33: 133.
use of 44: 290, 366.
- Bledos**, meaning of the term 9: 522.
- Bledsoe**, on French and Spanish encouragement of Cherokee hostility 19: 62, 67.
- Bleeding**
practice of, among the Cherokee 7: 334 *sq.*
practices of 46: 426.
See also Blood.
- Blessings**
act of, in medicine dance 37: 365.
evil, rejected 40: 555.
obtained by fasting 40: 71, 73, 75, 77, 79, 545, 547, 551, 555.
passing of 37: 366.
special, for warfare 37: 157, 160, 168.
- Blind**, gestures of the 1: 278.
- Blind Man who wanted a Girl**, legend of 30: 382.
- Blindman's Buff**, played by the Eskimo 18: 337.
- Blind Men and the Raccoon**, folk-tale of 14: 211.
- Blind Savanna**, a wrong clan interpretation 42: 118.
- Blindness**
among Indian medicine-men 9: 470.
assumption of, by Sumaikoli 21: 96.
belief concerning 37: 263.
caused by spirits 30: 182, 185.
- Blish, A. H.**, vessel collected by 20: 166.
- Blitum Capitatum** 45: 502.
- Blizzard**
experienced by Coronado 14: 506.
See also Snow; Storm.
- Block House**
established by *Capt.* John Anderson 42: 794.
roads from 42: 794, 800.
- Block-type Club** 38: § 153.

Blocks

- on Eskimo dog harness 18: 210 *sq.*
- on Eskimo float-lines 18: 142 *sq.*
- on rigging of Eskimo boats 18: 218.

Blodgett, James H., on pictographs 4: 33.

Bloedite, *mineral*, reference to 29: 579.

Blood

- bleeding, etc. 38: §752, 923, 924.
- Eskimo 46: 366.
- Eskimo paint made of 18: 198.
- of seal 35: 456.
- Serian and Yuman names for 17: 297*, 334* *sq.*
- spirit in 30: 290.
- talisman from 30: 290.
- use of, in Sioux arrow ceremony 14: 823.

See also **Bleeding**; etc.

Blood-craze of the Seri 17: 188*. 203* *sq.*, 262* *sq.*, 265*.

Blood Feuds of the Coeur d'Alène 45: 129.

Blood Indians

- dice games of the 24: 58.
- Flathead name for 45: 302.
- land cessions and reservations 18: 864 874, 876, 880, 902, 924 *sq.*
- linguistic affinities of 28: 229.
- name of, in sign language 45: 148.

Blood-letting

- as a remedy for sickness 42: 625.
- ceremonial 40: 41.
- mention of 44: 332.

See also **Blood**; **Bleeding**; **Scratching**.

Blood Money of the Kwakiutl 35: 1362, 1378.

Blood Mountain, myth concerning 19: 330.

Blood-of-the-bear Disease, treatment for 42: 640.

Blood-revenge

- among the Eskimo 18: 292 *sq.*

See also **Retaliation**.

Blood-soup of the Kwakiutl 35: 456 *sq.*

Blood Taboo 42: 520.

Bloodroot

- medicinal use of 43: 264.
- mention of 33: 83.
- use of 44: 293

See also **Sanguinaria Canadensis**.

Bloody Basin, cliff houses of 17: 549.

"Bloody Tanks," fight at 26: 50.

"Blossom," *H. M. S.* 46: 231.

Blount, —, on Cherokee and Chickasaw habitat 7: 79.

Blount, Chief, —, settlement of Tuscarora under 19: 498.

Blount, Thomas, cited on symbolic use of meal 9: 513, 514.

Blount, William

- endeavor of, for peace 19: 78.
- governor of Tennessee 19: 212.
- instructed to treat with the Cherokee 5: 162.
- life of 19: 212.
- on attack of Buchanon's station 19: 73.
- on Chickamauga declaration of war in 1792 19: 71.
- on origin of Chickamauga band 19: 54.
- on Shaw's mission 19: 71.
- proposal of, to Cherokee in 1795 19: 81.
- protest of, against Hopewell treaty 5: 155.
- territorial governor 19: 68.
- treats with the Cherokee 5: 158.
- treaty and cession arranged by, in 1791 19: 68 *sq.*

Blowgun

- Arecinea reed used for 38: §117.
- darts and dart poison for 38: §120-123.
- formerly used by Indians 14: 286.
- of the Guiana Indians 38: §117 *sq.*
- quivers for, darts 38: §124.
- use of 42: 693.
- use of, as toys 38: §616.

Blowing

- in Shaker ceremonial 14: 761.
- with the mouth, objects of 30: 164.

Blowpipe of the Navaho silversmiths 2: 175.

Blowsnake, Jasper

- acknowledgment to 37: 48.
- remarks by 37: 447.

Blow-tube Grass, spirits associated with 30: 228, 232.

Blubber

- Eskimo manner of eating 18: 268.
- of seal 35: 456, 458, 463.

- Blubber-holder**, for Eskimo lamp
9: 108 *sq.*
- Blubber Hooks**, of the Eskimo 9:
310 *sq.*; 18: 73.
- Blubber Rooms** of Point Barrow
Eskimo 9: 76.
- Blue**
Serian and Yuman words meaning
17: 335* *sq.*
symbolism of, in Hako ceremony
22, ii: 20 *sqq.*, 38, 44.
- Blue Cohosh**
mention of 33: 83.
See also **Caolophyllum Thalict-**
trides.
- Blue Cloud**, a name for Arapaho 4:
117, 118, 176.
- Blue Cloud People**, an Arapaho syno-
nym 14: 789.
- Blue Earth River**
references to 27: 73, 80.
reservation on 18: 804.
- Blue Flag**
use of 33: 72; 44: 290.
See also **Iris Versicolor.**
- Blue Flute (Cakwaleñya) Altar**, at
Mishongnovi 19: 989.
- Blue Grama**, brooms and brushes
made from 30: 83.
- Blue Grouse**, as giver of supernatural
power 35: 1093.
- Blue Hill Island**, work in 48: 3 *sq.*
- Blue Jay People**, settlement in Tusa-
yan of the 8: 26, 27.
- Blue Leaf**, fruit of, used as condiment
30: 71.
- Blue Lick Springs, Ky.**
trail to 42: 789.
upper and lower 42: 787.
- Blue Licks**, buffalo roads to 42: 742.
- Blue People**, a Cherokee clan 42: 118.
- Blue River**, aboriginal remains on
44: 527.
- Blue Spot**, on dead, signification of
30: 356, 361.
- Blue Thunder**, Assiniboin warrior
46: 402.
- Blue Weed**, medicinal use of 43: 266.
- Blue Whirlwind**
portrait of 14: 877.
wounding of, at Wounded Knee 14:
869.
- Bluebell**
Scotch, use of 44: 288.
used in medicine 30: 44.
- Blueberry**
mention of 35: 300.
use of 44: 294; 45: 487.
used medicinally 42: 664.
See also **Vaccinium Angustifolium.**
- Blueberry Elder**, use of 45: 490.
- Bluebird**
among the Pima, in mythology 26:
345, 367.
among the Pima, in song 26: 284,
303, 334.
among the Pima, in tales 26: 245
sq., 250.
in Iroquoian cosmology 21: 311.
- Bluefield, W. Va.**, trail in vicinity of
42: 769, 770.
- Bluejay**
carries back men from spirit coun-
try 35: 1020 *sq.*
in Menomini myth 14: 229.
myth concerning 19: 284.
name of Tlingit gaming stick 26:
444.
story about 43: 377-381.
Tlingit town name 26: 397.
- Bluejay Songs** 39: 220.
- Bluestem**, use of 44: 286, 342, 348.
- Bluestone**, trails from 42: 770.
- Bluestone River**, trails to head of
42: 765 *sq.*
- Bluff** 46: 196.
See also **Dohāsān.**
- Bluff, The.** *See* **Nashville.**
- Bluhm**, —, on statistics of trephining
16: 16.
- Blumenbach**, —, preserved skulls in
Brazil reported by 3: 95.
- Blumenbach, J. F.** 46: 330, 333,
334, 367.
- Blunt**, —, reservation for 18: 706.
- Blythe, David**
Cherokee story teller 19: 237.
myths told by 19: 449, 483.
- Blythe, James**
acknowledgments to 19: 13.
agent for East Cherokee 19: 180.
Cherokee story teller 19: 237.
myths told by 19: 436, 462, 463.
- Bmulé**
myth concerning 43: 193 *sq.*
various conceptions of 43: 193.
- Boa Constrictor**
beliefs concerning 30: 370.
See also **Camudi.**

Board Games. *See European Games.***Boardman, E.,** land-treaty witness 14: 28.**Boards**making of 35: 61, 82 *sq.*

sewing of 35: 77, 93, 98.

Boas, Prof. Franz

acknowledgments to 9: 20; 14: XLIII; 29: 12; 37: 48.

archeological work of 34: 170.

at International Congress of Americanists 26: xi.

bulletin by 39: 24.

bulletin by, on Chinook texts 15: XLVI, L, LIV, LXII, LXV, LXVIII.

buzzes figured by, Central Eskimo 24: 751, 752.

cited on Chimakum habitat 7: 62.
cited on customs concerning childbirth 9: 415.

cited on Eskimo harpoons 9: 221.

cited on Eskimo kaiaks 9: 334.

cited on Eskimo jackstones 9: 365.

cited on Eskimo umiaks 9: 338.

collection of Indian myths by 19: 428.

contributor to Bureau 48: 1189.

dice figured by, Central Eskimo 24: 102.

editorial work of 33: 33; 34: 20, 21.

excavations under supervision of 34: 51.

Haida researches of 7: 120.

honorary philologist 31: 8.

Kathlamet texts of 23: xxxvi.

linguistic research by 33: 29.

material collected by 24: 240, 249, 489, 717, 719.

mention of 46: 150, 227, 228, 229, 231, 235, 237, 256, 258, 331, 333, 346, 347, 357, 367.

memoir by 36: 30.

new Chinook texts of 21: xxvii.

office work by 20: xxi; 22, i: xxxii.

on archery, Shuswap 24: 390.

on ball juggling, Central Eskimo 24: 712.

on cat's cradle, Central Eskimo 24: 768, 769.

on cat's cradle, Shuswap 24: 773.

on cat's cradle, Songish 24: 773.

Boas, Prof. Franz—Continued

on cat's cradle, Tsetsaut 24: 767.

on dice games, Eskimo 24: 102, 103.

on dice games, Kwakiutl 24: 196.

on dice games, Shuswap 24: 156.

on dice games, Songish 24: 157.

on dice games, Tlingit 24: 131.

on dissemination of Indian myths 19: 234.

on football game, Central Eskimo 24: 701.

on hand game, Kwakiutl 24: 320.

on hand game, Niska 24: 281.

on hand game, Nootka 24: 322.

on hand game, Shuswap 24: 302.

on hidden ball, Shuswap 24: 370.

on hoop and pole, Eskimo 24: 472 *sqq.*

on hoop and pole, Kwakiutl 24: 521.

on hoop and pole, Niska 24: 471.

on hoop and pole, Nootka 24: 523.

on hoop and pole, Shuswap 24: 491.

on hoop and pole, Songish 24: 491.

on population of Baffin Land Eskimo 7: 75.

on population of the Chimmesyan tribes 7: 64.

on relationship between Tlingit and Haida languages 26: 472.

on ring and pin, Central Eskimo 24: 544 *sq.*, 547.

on shinny, Niska 24: 628.

on shinny, Shuswap 24: 632.

on shinny, Tsetsaut 24: 624.

on stick games, Niska 24: 240.

on stick games, Shuswap 24: 252 *sq.*

on stick games, Songish 24: 254.

on the habitat of the Haeltzuk 7: 130.

on the middle group of Eskimo 7: 73.

on Tillamook myths 19: 440.

on Tlingit suffix *-to* 26: 484.

on tops, Central Eskimo 24: 736, 737.

on tops, Niska 24: 736.

on tossed ball, Central Eskimo 24: 709.

on tossed ball, Niska 24: 709.

on unclassified games, Central Eskimo 24: 782 *sq.*

on unclassified games, Kwakiutl 24: 786.

Boas, Prof. Franz—Continued

- papers by 6: 399-669; 34: 26;
37: 27, 28; 39: 21; 40: 17; 42:
17; 43: 16; 44: 15.
phonetics used by 26: 395 *sq.*
position held by, abolished 41: 21
preface by 41: 131 *sq.*
publication under direction of 41:
119.
reference to 40: 27.
remarks on paper respecting Central
Eskimo by 6: LVI, LVII.
researches by 23: XI, XIV, XXXIV,
XXXV.
Salishan researches by 7: 104.
shuttlecock terms furnished by,
Bellacoola 24: 717.
special research work by 32: 9,
24.
Tsimshian mythology, memoir on
31: 25, 29-1037.
Tsimshian texts of 23: XXXVI,
XLIII.
Wakashan researches of 7: 129.
work of 10: XXIII; 11: XXIV; 16:
LXV; 24: XXI *sq.*; 25: XII, XIX
sq.; 26: XVIII, XXI *sq.*; 27: 9;
28: 15; 29: 18; 30: 10, 21;
31: 17; 36: 19 *sq.*; 37: 19 *sq.*,
21; 39: 21; 40: 11 *sq.*
work of, consulted 9: 21.
Boas, F., and Chamberlain, A. F.,
paper by 36: 31.
Boat Hooks of the Eskimo 18: 222
sq.
Boat Racing among the Eskimo 18:
340.
Boat-shaped Stones
and plummets compared 13: 113.
described and figured 13: 124.
Boats
breakdown 46: 71.
decoration of 30: 255.
Eskimo 11: 235; 18: 216-222;
46: 91.
graveyard of, off Barrow 46: 108.
Hamilton-St. Michael 46: 79 *sq.*
Holy Cross-Paimute 46: 65.
man kidnapped by 30: 222.
Mandan 17: 159.
need of one's own, for exploration
46: 80, 86, 181.
Nenana-Tanana 46: 39.
Nulato-Kaltag 46: 39.

Boats—Continued

- of hide of the Omahas 13: 281.
ornamented 4: 72, 78.
river 46: 55.
Russian Mission to St. Michael 46:
68, 71.
St. Michael-Nome 46: 84, 85.
superstitions concerning 30: 303.
Tanana-Nulato 46: 45.
timber used for 38: § 794.
umiaks 46: 91.
washing spoons from 30: 241, 252,
267.
women and building of 38: § 899.
words taboo in 30: 252 *sq.*, 307.
See also **Bull-boat; Canoes; Navi-
gation.**
Bobbydoklinny. *See* **Nakai-
dokli'ni.**
Bobzien, Edwin, assistance rendered
by 47: 10.
Boca Dulce, a Pima chief 26: 21.
Boca Inferno, tides and currents in
17: 46 *sq.*
Bocanegra, Hernando Perez de. *See*
Perez.
Bock, Carl, cited on Borneo water
vessels 9: 494.
Bodălk'iñago, Kiowa name of the
Comanche 14: 1043.
Bodham-Whetham, J. W., cited 30:
128, 164, 236, 239, 275, 300, 381.
Bodkins
bone, from Awatobi 17: 627.
Eskimo 18: 106 *sqq.*
from Pueblo ruins on Little Colorado
River 22, i: 94.
Body
anointing of 38: § 511.
attitude of, as a sign of anger 20:
CXLII *sq.*
decoration and ornaments of 38:
pp. 412-448.
feathering of 38: § 514.
feelings of, as signs 35: 603 *sqq.*
immortality of 30: 149 *sq.*, 151 *sq.*
life restored to 30: 170, 177 *sq.*
painting of 38: § 512, 513.
petrification of 30: 152.
rejuvenation of 30: 149 *sq.*, 151.
responsivity of 17: 268* *sq.*
spirits associated with 30: 149,
152-164.

Body—Continued

spirits associated with, transfer of
30: 158.

stroking of, in greeting 32: 631.

tattooing of 38: § 510.

transformation of 30: 149, 150 sq.,
182, 184 sq., 199, 229.

See also **Forms; Spirits.**

Body of Zephyrs in Iroquoian cosmology 21: 295.

Body Painting

a daily custom 45: 418.

associated with Ghost dance 45:
427.

ceremonial 40: 225.

colors used in 45: 418.

for the dance 45: 391, 392, 428;
46: 559, 562.

mention of 47: 860 sqq., 868.

of the Coeur d'Alène 45: 86 sq.

symbolic 45: 340 sq.

universal among the Flathead 45:
340.

See also **Facial Painting.**

Body Proportions

of the Eskimo 46: 358, 364.

of the Western Eskimo 46: 213–
228, 240.

of the Yukon Indians 46: 151.

Boebera Papposa 33: 132.

Boerhavia Hirsuta 38: § 920.

Bogies

Indian 11: 473.

occasional visits of, in Walpi Pow-
amû festival 21: 71.

Bogoras, Prof. Waldemar

author of Chukchee Grammar 33:
29; 34: 20; 37: 20.

manuscript intrusted to 36: 20.

mention of 46: 254, 259, 330, 333,
367.

paper by 36: 30.

work in northeastern Asia 46: 30.

Bogs, myths concerning 11: 481.

Bohemy Family, mention of 43:
224.

Bóhónkóñkya, treaty signed by, in
1837 17: 269.

Bo-i-de or The Flame, time chart of
4: 93.

Boil

derivation of name 25: 130.

See also **Priesthood, Antillean.**

Boiling

by means of heated stones 41: 586.

method of, used by American aborig-
ines 20: 26 sq.

with red-hot stones by the Kwakiutl
35: 545, 546.

See also **Domestic Pottery.**

Boiling Baskets

mention of 4: 485.

terms for 41: 396.

Boiling Spring Academy

Indian remains at 41: 559.

naming of 41: 603.

Boils

mention of 11: 496.

treatment of 42: 667.

Bóin-edal

adopted father of 17: 280.

Kiowa capture of 17: 270.

scalping witnessed by 17: 273.

Bois d'Arc

mention of 33: 76.

origin of the name 42: 692.

Bois Fort Chippewa land cessions

and reservations 18: 796, 840,
904, 912, 938.

Bolas

of the Eskimo 9: 244 sqq.

use of round stones as 13: 95.

Bolingbroke, H., on origin of man
30: 141, 233.

Bolivar, Tenn., trail to 42: 692.

Bolivar and Memphis Trail followed
by the Cherokee trace 42: 822.

Bolivia

character of pottery from 20: 20.

collections from 30: 22.

researches in 30: 11–15.

Bollaert, William

cited 6: 41, 45.

cited on emeralds of Peruvians
9: 590.

Boller, Henry A.

on hand game, Hidatsa 24: 318.

on hoop and pole, Hidatsa 24: 511.

on shinny, Hidatsa 24: 641.

on shuffleboard, Hidatsa 24: 729.

Bologna Codex 3: 28.

Bolsover, William, account of plates
by 42: 504.

Bolton, Dr. Herbert E.

acknowledgment to 29: 12.

assistance rendered by 45: 4.

Bolton, Dr. Herbert E.—Continued
work of 28: 16 *sq.*; 29: 19; 30: 10,
16.

Bombas, negro dances 25: 69, 210.

Bombax sp., silk-cotton tree, cotton
for darts 38: § 124.

Bonael, an idol in the Cave of the Sun
34: 264.

Bonaks, cremation 1: 144.

Bonasila

mention of 46: 60, 61, 62, 63, 64,
81, 82, 83, 134, 135, 142, 144, 153,
154.

skeletal remains of 46: 156–160.

Bond Stones, used in Pueblo walls
8: 144, 198.

Bone, Albert S., killed at Wounded
Knee 14: 872.

Bone

arrowheads of, in Sioux ceremony
14: 823.

articles of, from Pojuaque 2: 440.

articles of, from Walpi 2: 396.

articles of, from Zuñi 2: 373.

artifacts of, from mounds 37: 102.

beads of 44: 137 *sq.*

chest ornament 38: § 537.

circular 38: § 540.

Eskimo houses built of 18: 257 *sqq.*

Eskimo implements made of 18:
75, 77–80, 82, 85, 88, 93, 100–109,
115, 123, 124, 127, 128, 130, 131,
133, 138 *sqq.* 146–152, 155, 157 *sqq.*
161, 164, 165, 177, 180 *sqq.*, 189,
195.

Eskimo ornaments made of 18: 58,
59.

Eskimo tobacco implements made of
18: 273, 278, 280.

Eskimo toys made of 18: 341–345.

Eskimo transportation apparatus
made of 18: 207, 210, 214, 217,
219, 222, 226.

figures showing 22, i: 94, 95, 166.

flageolet 38: § 564.

hoes of the Omaha 13: 278.

Indian manufacture of pipes of
20: 172.

needle 38: § 70.

objects of 34: 75, 234, 235; 44:
106–138.

occurrence of symbolic designs en-
graved on 20: 101.

pictographs on 4: 59; 10: 206.

Bone—Continued

Serian and Yuman names for 17:
333* *sq.*

solid, forming ribs 32: 259.

tattooed 4: 73 *sq.*

tools used in steatite working 15:
111.

use of, in implement making 13:
142.

used in stone-flaking 15: 61, 80.

weapons of Virginia 15: 85.

whistles 38: § 569.

working tools, Eskimo 18: 80 *sq.*

See also **Bone Beads**; etc.; **Bones**.

Bone Beads

from Honanki 17: 573.

in Sikyatki graves 17: 733.

Bone Carving

of the Antilleans 25: 192 *sq.*

of the Eskimo 18: 196 *sq.*

Bone Crushers of the Eskimo 9:
93–99.

Bone Dance

description of 42: 531.

mention of 42: 524.

Bone Implements

from mound 12: 382.

from Pueblo ruins, description of
22, i: 93 *sqq.*, 134, 164, 166 *sq.*

in cavate lodges 13: 223, 224.

paddle shaped 31: 15.

used in quarrying 15: 23.

See also **Implements**.

Bone Needles from mound 12: 373.

Bone Objects

from Awatobi 17: 627, 628.

from Honanki 17: 572.

worn by the Pima 26: 163.

Bone Plates from mound 12: 157.

Bone Pickers

references to the 42: 687, 700.

See also **Buzzard Men and Women**.

Bone Points

fragmentary 44: 115–122.

miscellaneous 44: 112–115.

Boner, J. H., on Moravian mourning
1: 166.

Bones

animal, Bonasila 46: 142.

broken, treatment of 42: 660.

converted into birds 32: 487.

fossilized 46: 60, 142, 157.

gifts of 30: 158 *sq.*, 168.

implements of 46: 170–173.

Bones—Continued

- long 46: 156-160, 163 *sqq.*, 326.
- mammoth, found at Big Bone Lick 42: 790.
- of Big Bone Lick, disposal of 42: 791.
- of prehistoric animals 46: 411 *sq.*
- of the dead, burial of 42: 389.
- of the dead, cleaning of 1: 168.
- of the dead, disposal of 42: 700 *sq.*
- of the dead, reinterred 46: 574 *sq.*
- pathological 46: 109.
- preserved by Guiana Indians 38: § 832, 838.
- reassembled and brought to life 32: 212, 216, 217, 398, 404, 488, 490, 586.
- removal of, in legends 30: 121, 172.
- spirit in 30: 152, 153, 158 *sq.*
- use of, in decoration of pottery 20: 66, 84, 193.
- used in invocation 30: 168.
- See also* Bone; etc.; Burial.
- Boneset**
 - medicinal use of 42: 658; 43: 265, 266.
 - use of 44: 289.
- Bonesteel, A. D.**, on death of Oshkosh 14: 47.
- Bonework** 45: 42 *sq.*, 217.
- "Boneyard,"** between Tanana and Ruby 46: 46, 47.
- Bonila, Antonio**, on Quivira 29: 566.
- Bonilla, —**, on Sandia population in 1749 17: 584.
- Bonita Creek, Ariz.**, cliff houses on 22, i: 187.
- Bonnell, —**,
 - on Cherokee agreement with Mexico 19: 145.
 - on Cherokee expulsion from Texas 19: 145.
 - on Houston's efforts on behalf of Cherokee 19: 145.
 - on Mexican grant to Cherokee 19: 143.
- Bonnerjea, Dr. Biren**, contributor to Bureau 48: 1189.
- Bonneville, Capt., B. L. E.**
 - at Fort Gibson in 1837 17: 170.
 - on hand game, Nez Percés 24: 304 *sq.*
 - treaty concluded by 18: 851.
- Bontoc Igorot**, report on expedition among 24: *xxi*.

- Bony-tail Gila fish** 26: 83.
- Book Cliff**, pictographs of 4: 27.
- Book Cliff Canyon, Wash.**, petroglyphs in 10: 117.
- Books**, myths concerning 19: 351.
- Boon, Daniel**, leader of pioneer advance 19: 45.
- Boone, Daniel**
 - adventures of 42: 787.
 - carried over Warrior's Path 42: 781.
 - road traveled by 42: 794, 799.
- Boone, William**
 - acknowledgments to 25: 245.
 - on paddle stones 25: 261.
- Boone County, Nebr.**, references to 27: 100, 101.
- Boone's Gap**, description of 42: 801.
- Boone's Trail** 42: 801 *sq.*
- Booneville, N. C.**, trail near 42: 777.
- Boonsboro, Ky.**
 - beseiged by the Shawnee 42: 788.
 - trails to 42: 782, 801 *sq.*
- Booske Tah**
 - name for celebration of new corn crop 42: 568.
 - See also* Busk.
- Boos-ke-tau**
 - name for training of priest or doctor 42: 619.
 - See also* Busk (2).
- Boot Pads, Eskimo** 18: 43.
- Boot-sole Creasers** 18: 108.
- Booth, —**, a Kiowa trader 17: 313.
- Boothia Felix and Back River**, tribes of 6: 452-459.
- Boots**
 - of the Eskimo 9: 129-135; 11: 179, 205, 217; 18: 40-43.
 - See also* Boot-pad; etc.; Shoes.
- Boraginaceae** 33: 111.
- Borde, Fr. de la**
 - cited 30: 141, 153, 156, 160, 163, 165, 168, 257, 259, 260, 268, 270, 290, 296, 303, 306, 314, 320, 321, 323, 340, 342, 351, 352, 353.
 - on invocation of spirits 30: 168.
- Borden's Farm**, flint on 44: 528.
- Borers of the Eskimo** 9: 175-182.
- Borgian Codex**
 - cited 3: 23, 24, 26, 28, 46, 54, 57, 58, 61; 19: 861.
 - discussion of symbols in 16: 212, 213, 219, 222, 244.

Borgian Codex—Continued

earth symbols in 16: 256.

flint symbols in 16: 228.

Nahuatl numbers from 19: 944
sq.

sky symbol in 16: 223.

Borinquen

discussion of the name 25: 78.

See also **Porto Rico**.

Borinquenios

agriculture of 25: 50 sq.

ancient inhabitants of Puerto Rico
10: 137.

as potters 25: 179 sq., 189.

bone carving of 25: 192 sq.

cannibalism of 25: 50.

canoes of 25: 208, 217.

cave dwellers 25: 41.

chief authorities on 25: 19 sq.

clans or phratries of 25: 42.

culture of 25: 47, 89 sq., 91, 178
sq., 214 sq., 216.

dances of 25: 69.

effect of Spanish conquest on 25:
25.

food of 25: 22, 51, 106.

government of 25: 33 sqq.

hieroglyphic writing of 25: 149.

houses of 25: 41-47, 84, 217.

human sacrifice of 25: 168.

hunting and fishing of 25: 48 sqq.

idols of 25: 197.

language of 25: 77 sq.

line of descent among 25: 47.

marriage among 25: 48.

medicine practices of 25: 61-64.

mental and moral characteristics of
25: 31 sq.

mortuary customs of 25: 58, 80,
82 sq., 195, 217.

myths of 25: 73.

naming of children among 25: 47.

occupations of 25: 107.

physical characteristics of 25:
28-31.

population of 25: 23 sq.

priesthood among 25: 59 sq.

race and kinship of 25: 24, 26 sqq.,
90, 219.

religion of 25: 42, 53 sq., 129-132.

researches among 25: 19 sqq.

resistance to Spaniards by 25: 31.

rites and ceremonies, for crops 25:
66-69.

Borinquenios—Continued

rites and ceremonies, general account
25: 64 sqq.

rites and ceremonies, mortuary 25:
69-72.

shell carving of 25: 192 sq.

skeletal remains of 25: 82 sq.

slavery among 25: 23 sq.

weapons of 25: 93, 209.

zemis of 25: 54-59.

See also **Antilleans; Porto Rico**.

Born, signs for 1: 356.

Borneo, mourning color used in 10:
630.

Boru-boru, for snake bite 38: § 929.

Bosque Redondo, reservation at 18:
830.

Boss or Andiron, Shumopavi 8: 176.

Bossu, M.

cited 12: 674, 675.

on burial denied to suicides 1: 180.

on racket of the Choctaw 24: 598
sq.

on signs of the Atakapa 1: 324.

Boston Bay, Iroquoian visits to 20:
168.

Boston Men, application of name
14: 721.

Boston Natural History Museum,
specimens of Spanish olive jars in
20: 130.

Boston Transcript, translation of Al-
varado's report in 14: 594.

Bot-édalte, death of 17: 350.

Boteler, Dr. W. C., on Oto burial cere-
monies 1: 96.

Bot-k'ägo, Kiowa name of the Ara-
paho 17: 160.

Bot-k'if'ago, Kiowa name of Gros
Ventres 14: 955.

Botokudos, use of labrets by 3: 83.

Botrychium Virginianum, use of
44: 288, 352.

Böttiger, C. A.

controversy with Abert concerning
Dresden Codex 6: 267.

mention of Dresden Codex by 6:
262.

Bottle

of kelp 35: 540.

See also **Bottles**.

Bottle Farm, remains on 44: 525.

Bottle-shape Basket 38: § 415.

Bottles

- Appalachee-Ohio province, absence of 20: 180.
 collection of Indian water 3: 533-538.
 Florida Peninsula, rarity of 20: 118.
 glass, Florida Peninsula 20: 130.
 glass, recovered from mound 44: 166.
 Gulf Coast pottery 20: 105-112.
 Iroquoian province, absence of 20: 162.
 Lower Mississippi Valley pottery 20: 102, 103 sq.
 Lower Mississippi Valley pottery, thickness of walls of 20: 83.
 mention of 4: 283, 301, 306, 320, 343, 345, 351, 352.
 northern United States, absence of 20: 145.
 or jars, wide-mouthed 4: 398-411.
 South Appalachian pottery 20: 138.
See also **Forms**.

"Bottom Day," Eskimo observance of 18: 314.

Bottom Lands, home villages on 16: 94.

Bottoms of Baskets

- coiled 41: 167-174.
 method of making 41: 174-179.
 varieties of 41: 167 sq.

Boturini, Lorenzo Benaduci

- interpretation of Mexican calendars by 3: 43, 44, 47, 49, 52, 54, 55.
 on Mexican calendar system. 19: 935.

Botuto

- cult of 30: 137.
See also **Trumpet**.

Boucher, Pierre

- on dice game, Algonkin 24: 49.
 on stick game, Algonkin 24: 229.

Boudinot, Cornelius

- myths told by 19: 449, 455.
 opening of grave on farm of 19: 143.

Boudinot, Dr. Elias C.

- address on condition of Cherokee by 5: 285.
 Bible translation by 19: 165.
 compensation to heirs of 5: 299.
 editor of Cherokee "Phoenix" 19: 111.
 education of 19: 108.
 killing of 5: 293; 19: 133 sqq.
 on Cherokee myths 19: 483.

- Boudinot, Dr. Elias C.**—Continued
 on Cherokee treaty of April 27, 1868 5: 344.
 signing of New Echota treaty by 19: 125.
 vote of, on Ridge treaty 19: 122.

Boulware, J. N.

- mounds on farm of, in Missouri 5: 44.
 mounds on land of, in Missouri 12: 165.

Boulder

- black, a life symbol 36: 108.
 red, a life symbol 36: 61, 108.
 white, a life symbol 36: 109.
 yellow, a life symbol 36: 109.

Boule, Prof. Marcellin, cited 46: 332, 333, 350.

Boundaries

- Indian 1: 253.
 of Indian tribal lands, difficulty of fixing 7: 43 sq.

Boundary Line, Hano and Sichumovi 8: 36.

Boundary Mark, Shumopavi and Oraibi 8: 28.

Bouquet, Henri, on Indian population in 1764 19: 1108.

Bourgmont, De

- on early Comanche habitat 17: 161.
 on the habitat of the Comanche 7: 109.

- Kansa mentioned by 15: 193.
 reference to 27: 81.

Bourgeois, Enrique, on Quekchian numerals 19: 901 sqq.

Bourke, Capt. John G.

- acknowledgments to 11: 455; 14: 655.
 cited on phallicism 11: 457.
 cited on Sun dance 11: 450, 459.
 cited on symbolic colors 11: 532.
 contributor to Bureau 48: 1189.
 identifies Tally-hogan with Awatobi 17: 602.
 material collected by 24: 747.
 medicine cords figured by, Chiricahua Apache 24: 429.
 obituary of 48: 1221.
 on Apache medicine-men 14: 360, 704.
 on Apache use of bull-roarer 14: 975.
 on classification of arrows 14: 278.
 on creation myth 26: 239.
 on deluge myth 19: 445.

Bourke, Capt. John G.—Continued
 on dice game terms, White Mountain Apache 24: 90.
 on fight at the "Tanks," 1872 26: 54.
 on lustration observances 26: 204.
 on Mexican ball race 24: 667 sq.
 on mixture of Sobaipuri and Apache 26: 186 sq.
 on Mohave mortuary customs 26: 195.
 on Mohave mythology 26: 216.
 on Moqui colors 4: 56.
 on Moqui shell vessels 2: 193.
 on necklaces of human fingers 14: 1024.
 on quoits, Mohave 24: 726.
 on Taos iron-tooth club 13: 144.
 on use of mulberry by the Apache 26: 95.
 paper on Medicine-men of the Apache 9: 433-603.
 paper on the medicine-men of the Apache, noticed 9: XLIII-XLVI.
 Pueblo vases, etc., presented by 8: xxv.
 quoted on Sun dance 11: 464.
 Snake dance studies by 15: 265; 16: 273.
Bovista Pila, use of 44: 288, 377.
Bovista Plumbea 33: 62.
Bow
 a life symbol 36: 99.
 appearance of, in pictures of Hopi katecinas 21: 61, 72, 76, 81, 82, 90, 91, 98, 99, 103, 106, 108, 111, 113.
 ceremonial painting of 36: 234.
 ceremonial use of 16: 279, 282, 286.
 manufacture of 38: §126.
 priests of the, Zuñi 24: 215.
 protectors on Eskimo boats 18: 228.
 sacred, in Sioux ceremony 14: 823.
 sacred, in Sioux Ghost dance 14: 788.
 Seri, decoration of 17: 175*.
 Seri, genesis of construction of 17: 199*, 200*.
 simple in construction 31: 50.
 timber for 38: §125.
 use of, by Hopi katecinas 21: 78, 86.
See also **Arrow**; etc.; **Bows**.

Bow and Arrow

distribution of, in Powamû festival 21: 31.
 expert use of 42: 692.
 finding of, at Chevlon 22, i: 100.
 making of the Eskimo 9: 291-294.
 use of 46: 542, 555.
 woods used for 42: 692.

Bow Cases

of the Eskimo 9: 195-200; 11: 246, 247.
 of the Nenenot 11: 312.

Bow Creek, Nebr., reference to 27: 85.

Bow Drill

of the Guiana Indians 38: §19, 38.
 used by the Innuvit 4: 48.

Bow Gens 36: 98.

Bow-making Songs 39: 271-274.

Bow-Man, Tlingit spirit 26: 465, 466.

Bow People, wi'-gie of 43: 47 sq.

Bow Priests

activities of 47: 525 sq.
 ceremony of 47: 526 sq.
 dance held by 47: 527.
 duties of 47: 478, 518.
 elder brother, preparation of images of gods of war by 23: 116, 117.
 offerings made by 47: 663.
 prayers of 47: 664-667, 668-673.
 present status of 47: 526.
 qualification of 47: 525 sq.
 retreat of 47: 663.
 songs of 47: 530.
 whirling of rhombi by 23: 201.

Bow Priesthood

dancing of 23: 468 sq.
 origin of 23: 49 sqq.

Bow-string

manufacture of 45: 98.
 of the Guiana Indians 38: §127.
 of the Menomini 14: 275, 280.
 of the Omaha 13: 286.
 puzzle 38: §713.

Bowditch, C. P., translation of works on Mexican and Mayan records by 23: xxxviii.

Bower-bird, legend concerning 30: 226 sq.

Bowers, G. M., acknowledgments to 19: 13.

Bowers, Stephen

- archeological researches of 44: 62.
- pipe collected by 44: 88 sq.
- shell objects collected by 2: 209, 226.

Bowl

- capture of family of 19: 146.
- emigration of 19: 100 sq., 138, 141, 143.
- killing of 19: 145.
- paper carried by, at death 19: 143, 145.
- treaty with Texas signed by 19: 144.

Bowl and Stick Game, account of 24: 173-177.**Bowl Basket** 38: § 440.**Bowl Game**

- description of 46: 567 sqq.
- of the Chippewa 24: 65 sq.
- of the Menomini 14: 241.
- of the Passamaquoddy 24: 82 sq.

Bowl-shaped Baskets, coils of 41: 164.**Boulder**

- and steatite quarries correlated 15: 123.
- beds in Anacostia Valley 15: 70.
- deposits near Hyattsville 15: 70.
- deposits near Washington 15: 32, 33.
- deposits on tidewater Potomac 15: 71.
- mosaics 12: 534.
- mystic, near Keshana, Wis. 14: 38.
- sites of Pueblo Indians, uses of 22, i: 177.

See also **Boulders**.

Boulders

- adaptability of, for implements 15: 135.
- ancient Pueblo walls of 13: 206, 217, 246, 249.
- distribution of 15: 66.
- in Piny Branch quarries 15: 42, 47.
- on line of ancient irrigating ditch 13: 244.
- quartz, method of quarrying 15: 24.
- sharpened, distribution of 15: 142.
- sites marked by, in Verde Valley 13: 194, 235, 261.
- use of, as implements 15: 25, 90.

Boulders—Continued

- used in cliff-dwelling masonry 16: 98, 100.

See also **Boulder**.

Bowles, —, opposition to McGillivray by 19: 210.**Bowles, John, and Son**, map by, locates Maskotin 19: 1054.**Bowles, Jno.**

- on Picuris 29: 193.
- on Puaray 29: 523.
- on San Marcos 29: 551.
- on Taos 29: 182.

Bowling, among the Eskimo 11: 257.**Bowls**

- appearance of, in pictures of Hopi katecinas 21: 83.
- baskets used as 41: 201 sq.
- clay, from Canyon de Chelly 2: 420.
- collection of 3: 546-564.
- Florida Peninsula pottery 20: 118, 121.
- fragments of 34: 70, 71.
- from Porto Rico area 34: 237-240, 241.
- from Trinidad 34: 69.
- Gulf Coast pottery 20: 105-113.
- Iroquoian pottery, rarity of 20: 162.
- Kokle, common design in modern 21: 95.
- Lower Mississippi Valley pottery 20: 102.
- mention of 4: 283, 306, 308-314, 316, 322-334, 376-392.
- Middle Mississippi Valley pottery 20: 85, 87 sqq.
- nest of, found in burial 41: 606.
- reptilian designs on, description of 22, i: 115.
- sandstone 44: 72 sqq.
- Sikyatki, decoration on 17: 705.
- South Appalachian pottery 20: 131, 132, 133, 136, 139 sq.
- spider and sun emblem on, description of 22, i: 81 sq.
- spiral design on 22, i: 151.
- steatite 44: 85 sq.
- sun emblem on 22, i: 150.
- use of 22, ii: 20, 42.
- use of, in burial 20: 133.
- wooden, symbolism of 22, ii: 44, 289, 350.

Bowls—Continued

See also **Forms; Pipes; Pottery; Prayer-bowl.**

Bowls from Pueblo Ruins, Arizona

- bear design on 22, i: 153.
- bear's paw design on 22, i: 155.
- bird designs, cuts showing 22, i: 74, 76, 77, 78, 79, 80, 115, 116, 117, 118, 132, 146, 147, 148, 154.
- bird designs on 22, i: 76 *sqq.*, 115-118, 146, 147, 148.
- butterfly designs on, description of 22, i: 148.
- butterfly designs on, cuts showing 22, i: 149.
- dragon-fly design on 22, i: 147.
- exterior decoration of 22, i: 152-155.
- exterior decoration of, cuts showing 22, i: 132, 153, 154, 155.
- feather design on, cut showing 22, i: 151.
- features of 22, i: 61, 113, 133.
- frog or lizard design on 22, i: 132.
- gaming-cane design on, cut 22, i: 118.
- geometrical designs on 22, i: 83 *sq.*, 85, 152, 155.
- human face on 22, i: 71.
- human figures on 22, i: 143, 144, 145.
- quadruped designs on 22, i: 72, 145, 153.
- rain-cloud designs on 22, i: 73 *sq.*, 156.

Bows

- collection of 3: 589.
- description of 45: 97 *sqq.*
- discussion of 14: 280.
- double-curved 45: 241.
- Eskimo 18: 155 *sqq.*
- Eskimo tools used in making 18: 85.
- in Ponka legend 27: 49.
- in Shell Society ceremony 27: 562, 564.
- in Tusayan ceremony 15: 281, 285.
- manufacture of 27: 448-451.
- of the Menomini 14: 274.
- of the Omaha 13: 285.
- of the Sioux 15: 171.
- origin of 27: 70.
- used by Padouca 27: 79.
- See also* **Bow; etc.**

Bowyer, Colonel, on Sauk and Fox expulsion 14: 19.

Box, James, death of 17: 184.

Box

- clay 34: 70.
- earthenware, from Sikyatki 17: 655.
- for plumes 8: 210.
- mention of 38: § 385, 387.
- stone-slab, in floor of wigwam 41: 595.
- Zuñi ceremony over a 23: 464.
- See also* **Boxes.**

Box-burial

- Creek, Choctaw and Cherokee 1: 155.
- Eskimo 1: 155, 156.
- Indians of Talomeco River 1: 155.
- Innuits and Ingaliks 1: 156, 158.
- Kalosh 1: 156.

Box Elder 33: 101.

Box Elder, treaty of 18: 828.

Box Handles, Eskimo 18: 100-103.

Box-shaped Basketry 41: 165, 207 *sq.*

Boxes

- bending sides of 35: 70-76, 90.
- boiling in 35: 459, 460.
- bottom of 35: 78, 91.
- burial in 46: 63.
- caulking of 35: 299.
- cutting kerfs in side of 35: 68 *sqq.*
- fitting bottom of 35: 91.
- for arrow and spear points, Eskimo 18: 162 *sq.*
- for berry cakes 35: 263, 268, 274, 281.
- for caps, Eskimo 18: 164.
- for cured seaweed 35: 294, 296.
- for fungus ashes, Eskimo 18: 275-278.
- for harpoon heads, Eskimo 9: 247, 251.
- for herring spawn 35: 254 *sq.*
- for mixing salal berries 35: 265.
- for paints, Eskimo 18: 199 *sqq.*
- for picking salmon-berries 35: 140, 211.
- for preserved salmon 35: 239.
- for quids, Eskimo 18: 278 *sqq.*
- for snuff, Eskimo 18: 273 *sqq.*
- for soaking dried fish 35: 315, 318, 319, 324.
- for tools, Eskimo 9: 185 *sqq.*
- for trinkets, Eskimo 9: 323-326.

Boxes—Continued

- made water-tight 35: 92.
- making of 35: 60-92.
- making side of 35: 62.
- measures of side of 35: 65.
- painted, Bonasila, Ghost Creek 46: 63.
- painting side of 35: 88.
- pegging side of 35: 76 sq., 79 sqq., 90 sqq.
- sewing side of 35: 77, 88.
- southeastern Alaska 46: 33, 64.
- squaring of 35: 70.
- squaring side of 35: 63 sqq., 84 sq.
- steaming side of 35: 71-74, 88 sqq.
- tools used by Eskimo in making 18: 85, 89.
- tops of 35: 81.
- Unalaklik 46: 64.
- Yukon 46: 138.

See also **Box**.

Boxing 33: 620, 621, 636, 641, 647.

Boy

- adopted by bear 32: 367.
 - becomes fastened to back of monster 32: 481.
 - rescued from bear 32: 369.
- See also* **Boys**.

Boy and his Grandmother, Iroquois tale 2: 86.

Boy and the Corn, Iroquois tale 2: 96.

Boy rescued by a Bear, Iroquois tale 2: 83.

Boyd, D. T., suit of United States against 19: 227.

Boyd, George, on trading posts in the wild-rice fields 19: 1104.

Boye. *See* **Magicians**.

Boyle, David

- collection of Iroquoian pottery by 20: 170.
- exploration of Iroquoian provinces by 20: 159.
- illustrations from work of, on Iroquoian pottery 20: 170.
- material furnished by 24: 84.
- on dice games, Seneca 24: 116 sq.
- on hidden ball, Seneca 24: 350 sq.
- on ring and pin, Chippewa 24: 534 sq.
- ossuary opened by 12: 545.
- papers by, on Canadian pottery 20: 171.

Boynton, Paul

- acknowledgments to 14: 655.
 - experience of, while in trance 14: 923.
 - Ghost song composed by 14: 971.
- Boyomo**, river and settlement of 14: 515.

Boys

- Assiniboin, characteristics of 46: 444.
- birth names of Omaha 3: 227, 231, 236, 237, 239, 240, 243, 245, 248.
- hair dressing of 43: 94.
- in Snake dance 16: 288.
- initiation of 47: 975-980.
- puberty customs for 45: 168 sq., 283-287, 382.
- puberty rites for, practically abandoned 40: 340.

See also **Boy**.

Boys and Girls, amusements of, Zuñi 23: 293, 294.

Boy's Bed, one of four beds 42: 191.

Boys' Fast of the Busk 42: 563, 575.

Bozeman, J. L.

- cited on Susquehannock's land claims 18: 572.
- quoted on Indian right to soil 18: 536.
- quoted on Maryland's Indian policy 18: 570 sq.

Braam, S. A., van 1: 229.

Braba

- description of, by Alvarado 14: 595.
- pueblo of 14: 525.
- village of, visited by Spaniards 14: 511.

Bracelets

- copper 35: 937.
- Eskimo 9: 148 sq.; 18: 58.
- from Awatobi 17: 628.
- materials used for 45: 83.
- mention of 37: 109; 38: § 541; 42: 685 sq.
- of beads 34: 230.
- of shell and copper beads, from mound 12: 363.
- of shell from Pueblo ruins, discovery of 22, i: 90 sq.
- of the Turk Indians 14: 493.

Bracers

- for Eskimo bows 9: 209 sq.
- use of gorgets as 13: 117.

- Brachycephalic Type** in the South-west 42: 677.
- Bracken, C.**, survey by 18: 767.
- Bracken**
 root, digging of 35: 195.
 use of, as food 45: 482.
- Bracken County, Ky.**, occurrence of earthenware spoons in 20: 44.
- Bracket Fungi** 33: 62.
- Brackinridge, H. M.**
 on Arikara chungke stones 13: 99.
 on dice games, Arikara 24: 98.
 on hoop and pole, Arikara 24: 461.
 on Jemez 29: 403.
 on salt vessels 20: 29.
 on Tennessee mortuary customs 13: 21.
- Bradbury, John**
 botanical explorer, quoted 33: 54.
 on hoop and pole, Arikara 24: 461.
- Bradby, Terrill**, on Pamunkey pottery making 20: 153.
- Braddock, General**
 defeat of 14: 16.
 Pontiac at defeat of 14: 668.
- Bradford, Alexander W.**, on the origin of mound-builders 12: 599.
- Bradford County, Pa.**, vessel from 20: 166.
- Braecklein, J. G.**, collection presented by 41: 116.
- Brags, Okla.**
 ceremonial ground near 42: 602.
 medicinal spring near 42: 669.
- Braiding and Twisting**, Eskimo implements for 9: 311 sq.
- Braiding of Basket Rims** 41: 182 sqq.
- Brain, Eskimo** 46: 278, 299, 358.
- Brainerd, Rev. David**, life of 19: 217.
- Brainerd Mission**
 attendance of pupils at 19: 107 sq.
 establishment of 19: 104, 107.
- Braining Clubs and Stones**, Eskimo 18: 126, 127.
- Brakebill Mound** 2: 215, 275, 292, 296.
- Bran, Cherokee** use of 20: 56.
- Branch, Dr. Christian W.**
 archeological collection of 30: 21.
 archeological work of 34: 167.
- Brand, John**
 cited on bell-ringing 9: 465.
- Brand, John—Continued**
 cited on cords and girdles 9: 557, 561, 568, 569, 570, 571, 573, 575, 576, 578, 579, 580.
 cited on powders 9: 514, 532, 536.
 cited on sacred cakes 9: 541, 544, 545, 546, 547.
 "Hand of Glory" 9: 486.
- Brannon, Melvin A.**, on wild rice in North Dakota 19: 1031.
- Bransford, Dr. J. C. (U. S. N.)**, burial urns discovered by 1: 138.
- Branson, Judge**, opening of Wisconsin mounds by 5: 18.
- Brant, Sir William Johnston's** connection with 19: 203.
- Brant, Pete** 46: 119, 120, 122.
- Brant**
 myths concerning 11: 327.
 source of Tlingit personal names 26: 422.
- Brass**
 Eskimo ornamentation with 18: 58, 59, 274.
 Eskimo tobacco implements made of 18: 280, 283, 284.
 See also Ūñtsaiyí'.
- Brass Plates.** *See* Plates.
- Brasseur de Bourbourg, Abbé**
 Antillean vocabulary by 25: 77.
 cited 6: 350; 12: 672.
 cited as to Casa Grande 28: 53.
 cited on Indian medicine-men 9: 466.
 cited on origin of labrets 9: 498.
 cited on tzoalli 9: 523.
 copy of Troano manuscript by 6: 284, 286, 343.
 description of human masks, cited 3: 96.
 interpretation of Mexican calendar 3: 39.
 map of 25: 243.
 mentioned 1: 208, 210, 243, 244.
 oc symbol interpreted by 16: 239.
 on definition of *ah* 16: 245.
 on definition of *ahau* 16: 263.
 on definition of *chacyuc* 16: 233.
 on definition of *hok* 16: 241.
 on definition of *lamat* 16: 236.
 on definition of *toh* 16: 238.
 on derivation of *chuen* 16: 243.
 on formation of Maya number names 19: 866.

- Brasseur de Bourbourg, Abbé**—Con.
 on Kiche numerals 19: 864, 895–899.
 on Maya methods of computation 19: 933.
 on Maya numeral system 19: 894.
 on Mexican mythology 16: 221.
 on origin of *chicchan* symbol 16: 231.
 on the *akab-maax* symbol 16: 208.
 on the *bakab* symbol 16: 209.
 on the *germ* symbol 16: 218.
 on the *manic* symbol 16: 232.
 on the *lamat* symbol 16: 249.
- Brau, Señor** —,
 on Antillean pueblo 25: 33.
 on enslavement of Indians 25: 24.
 on population of Porto Rico 25: 23.
 principal work of 25: 24, 40.
- Brauns, Professor**, on tattooing 4: 78.
- Brave**, signs for 1: 352, 364, 414.
- Brave-man**. See *Nah-tan*.
- Bravery**
 anecdotes of the Omaha 3: 332.
 exhibition of 46: 550.
 Omaha rewards of 3: 329.
 reward of 30: 216 sq.
- Braves' Dance**, description of 46: 558 sqq.
- Bray, William M.**, on wild rice in Texas 19: 1032.
- Brazil**
 antiquity of man in 25: 220.
 character of pottery of 20: 20.
 cup sculptures in 10: 195 sq.
 petroglyphs in 4: 44, 45; 10: 150–157, 689, 691, 692.
 tattooing in 10: 402.
 totem marks in 4: 167.
- Brazilian**
 Indian coiled pottery 4: 276, 277.
 petroglyphs, compared with Spanish petroglyphs 10: 690.
- Brazos River**, occurrence of pottery resembling that of Middle Mississippi Valley, near 20: 81.
- Bread**
 cassava 38: § 236.
 marriage, reference to 21: 263, 264.
 of Pueblo Indians 14: 522.
 sacred 9: 541–547.
 unleavened 9: 543, 544.
 use of, among Colorado River Indians 14: 485.
 Zuñi, description of 30: 73 sq.
- Breakers** for bone, Eskimo 18: 75.
- Breakfast**
 codfish eaten at 35: 253.
 dog salmon eaten at 35: 309, 313.
 fat food avoided at 35: 308.
 green salmon eaten at 35: 316.
 salmon eaten for 35: 350.
- Brearily, J. H.**, survey by 18: 720.
- Breastbone**, bird's, string figure 38: § 669.
- Breastplate**
 of bone 45: 81.
 of copper of Virginia Indians 13: 116.
 of shell, description of 13: 115.
- Breast-shield, Symbolic**, story of 36: 156.
- Breastworks**, use of, in warfare 45: 118.
- Breast-yokes** of the Eskimo 18: 211.
- Breath, The**, death of 19: 79.
- Breath**
 as a source of conception 21: 167.
 use of words meaning, to represent spirit power. 21: 15.
- Breath-feather Designs**, occurrence of, on pottery from old Shumopavi 22, i: 115 sq.
- Breath Holder**
 connection of, with sacred fire. 42: 483.
 explanation of the term 42: 481.
 story regarding 42: 483.
- Breath Master**, Muskogee name for God 42: 484.
- Breathing Rites** in ceremonial 47: 282, 292, 293, 294, 295, 297.
- Brébœuf, Père Jean de**
 on burial feast 1: 191.
 on burial ceremonies of the Hurons 5: 71, 110–119.
 on communal burial 12: 657, 674.
 on dice games, Hurons 24: 108 sq.
 on racket, Hurons 24: 589.
- Brechii**, meaning of 16: 228.
- Breechclouts**, described 42: 681; 45: 69 sq., 233.
- Breeches** of the Eskimo 9: 125–129.
- Bremen Museum**, West Indian objects in 34: 50.
- Brer Rabbit**, story of 30: 372–378.
- Bressany, Martin**
 on tying wild rice 19: 1058.
 wild rice harvesting illustration. reference to 19: 1057.

Brett, Rev. W. H.

cited 30: 118, 119, 120, 125, 136,
141, 142, 145, 148, 151, 154, 156,
212, 218, 225, 229, 238, 242, 245,
254 *sq.*, 260, 265, 268, 300, 318,
319, 320, 327, 328, 331, 339, 352,
353, 354, 356, 357, 358, 360 *sq.*,
383.

on Arawak dance 25: 72.

on medicine-man's ordeal 30: 339.

on scalping 30: 176.

on the flood 30: 148.

Breurr, H. N., rhyolite blades found by 15: 76, 79.**Brevoort, Elias**

on San Ildefonso 29: 305.

on Sia 29: 518.

Brevoort, H. B., land-treaty witness 14: 28.**Bribri**, numerals of 19: 919.**Brice, W. A.**

on repudiation of wampum 2: 246.

on surface burial 1: 141.

use of wampum belts 2: 242.

Brickell, John

on clubs of North Carolina Indians
13: 144.

on war idol of California Indians
13: 116.

Bricks

absence of, Middle Mississippi Valley
20: 82.

of adobe, modern in Zuñi 8: 138.

Bridge

built by Spaniards across Canadian
River 14: 397, 504.

Indian, across Rio Grande 14: 511.
mystic, in Menomini myth 14:
225.

of Guiana Indians 38: §791.

of stone, in Iroquoian cosmology
21: 312.

of wattle work 13: 13.

Bridgeport, Ala., mention of 42: 750, 751.**Bridges, J. S.**, commissioner to appraise Cherokee property 5: 258.**Bridles of the Omaha** 13: 280.**Brier in Cherokee lore** 19: 425.**Brigantines**, French, on the coast of New Spain 14: 547.**Briggs, C. F.**

material collected by 24: 290.

material furnished by 24: 154.

Brigham, Edward M., manuscript submitted by 41: 16.**Bright's Disease**, treatment of 42: 667.**Brighton Estate**, rare specimen from 34: 164.**Brigstock, Master**, on origin of Carib 25: 217 *sq.***Brinton, Dr. Daniel G.**

aid of 5: xxxv.

ben symbol interpreted by 16: 248.

cited 12: 675, 718, 726, 727, 729;
30: 158, 328.

cited on chalchihuitl among Mexicans
9: 590.

cited on Haumonte's Taensa gram-
mar 7: 96.

cited on Heyoka gods 11: 469.

cited on ikonography 15: xxvii.

cited on Indian medicine-men 9:
457, 480, 532.

cited on linguistic value of Indian
records 7: 318.

cited on Peruvian quipu 9: 562.

cited on relations of the Pima lan-
guage 7: 99.

cited on white deliverer among
Indians 14: 658.

classification of linguistic stocks by
12: 523.

classification of Seri and Waikuri by
17: 108, 343* *sq.*

edition of Walam Olum by 19: 190.

examination of quarry shops by 15:
52.

interpretation of light symbol by
16: 237.

interpretation of *oc* symbol by 16:
239, 240.

linguistic material of 30: 18.

Maya and Zapotec names harmo-
nized by 16: 237.

Maya symbols interpreted by 15:
lix.

Mayan Dictionary transferred to
Bureau by 21: xxvi, xxvii.

mention of 46: 329, 330, 367.

on Alagüilac number names 19:
867.

on Antillean aborigines 25: 218.

on Antillean language 25: 78.

on Arawak language 25: 77.

on archaic forms of Maya day names
19: 864.

Brinton, Dr. Daniel G.—Contd.

- on burial mound 5: 39.
- on burial of collected bones 1: 170.
- on Cakchiquel calendar 22, i: 275 sqq., 279.
- on Cakchiquel numerals 19: 900.
- on definition of *ahau* 16: 263.
- on definition of *ahmak* 16: 252.
- on definition of *aunahpu* 16: 263.
- on definition of *chab* 16: 253.
- on definition of *chinax* 16: 258 sq.
- on definition of *eb* 16: 244.
- on definition of *edznab* 16: 259.
- on definition of *guache* 16: 227.
- on definition of *hix* 16: 249.
- on definition of *laa* 16: 245.
- on definition of *lamat* 16: 236.
- on definition of *tecpatl* 16: 258.
- on definition of *tox* 16: 231.
- on definition of *uotan* 16: 221, 222.
- on Delaware name for Cherokee 19: 378.
- on Delaware tribal organization 19: 497.
- on deluge myth 19: 445.
- on derivation of *caban* 16: 255.
- on derivation of *chicchan* 16: 230.
- on derivation of *chuen* 16: 243.
- on derivation of *gopa* 16: 259.
- on derivation of *kanel* 16: 236.
- on derivation of *manik* 16: 234.
- on derivation of *muluk* 16: 238.
- on dice games, Delawares 24: 70.
- on drum symbol in Maya Codex 16: 209, 224.
- on early Central American day names 19: 808.
- on first appearance of whites 19: 191.
- on Flint and Rabbit myth 19: 451.
- on formula, "unity of mind" 19: 827.
- on hoops and poles, Delawares 24: 446 sq.
- on Indians as mound builders 5: 84.
- on interpretation of *ik* 19: 746.
- on interpretation of Mexican calendar 3: 40, 59, 65.
- on maggot sign in the codices 16: 222.
- on Maya numeral system 19: 891, 894.

Brinton, Dr. Daniel G.—Contd.

- on Maya time periods 19: 715.
 - on meaning of certain symbols 16: 213, 227, 239, 250.
 - on mound builders 12: 600.
 - on name Kitu'whagi 19: 182.
 - on origin of *guilloo* symbol 16: 252.
 - on origin of *naa* symbol 16: 251.
 - on origin of the cross 2: 270.
 - on Pima lineal measurements 26: 92.
 - on petroglyphs from St. Vincent 25: 159.
 - on rabbit in Indian mythology 16: 236.
 - on Rama numerals 19: 918.
 - on ring and pin, Delawares 24: 537.
 - on Shawano 19: 461, 495.
 - on Tallige'wi 19: 184.
 - on the black deities 17: 208.
 - on the *eche* day symbol 16: 248.
 - on the four-winds symbol 16: 219.
 - on the *ghanan* symbol 16: 226.
 - on the Maya calendar 16: 205.
 - on the month name *zip* 16: 255.
 - on the term *ni* 16: 219.
 - on time of adoption of thirteen as group order 19: 953.
 - on Tzéntal number seven 19: 717.
 - on Uto-Aztecan family 19: 866.
 - on work of Zeisberger 28: 275.
 - on Xincan number names 19: 881.
 - quoted on influence of Indian medicine-men 9: 593, 594.
 - researches of 4: 84, 188, 233.
 - translation by, quoted from Goodman 19: 717.
 - Walam Olum published by 17: 142; 26: 34.
 - Zapotec terms interpreted by 16: 218.
- Brisco, Mrs.**, mounds on plantation of, in Louisiana 12: 252.
- Bristol, Tenn.**, trails in region of 42: 758, 759.
- Bristol Bay**
- crania from 46: 170, 190.
 - mention of 46: 254, 259.
- Bristles**
- seal, used in Eskimo ornamentation 18: 37, 39.
 - used in drilling 14: 267.

- British**
 encouragement of Indian hostility by 19: 64, 68.
 relations of, with Indians 19: 98 sq.
 retention of ports by (1790) 19: 68.
 withdrawal of, from interior ports 19: 81.
 withdrawal of, from the south 19: 62.
- British America**, association of ceramic and textile arts in 20: 67 sq.
- British Columbia**
 field work in 18: XXIX; 22, i: IX, XII; 23: IX, XVIII, XXXIV.
 Indians of 46: 32, 33.
 linguistic material collected in, work on 22, i: XXXII sq.
 petroglyphs in 10: 44-48.
 researches in 30: 15.
- British Guiana**
 dyes used by Indians of 10: 222.
 illustration of ornamentation by Indians of 6: 217.
 petroglyphs in 10: 686 sq.
 pictographs in 4: 40-44.
- British Islands**, cup sculptures in 10: 189.
- British Museum**
 drawings by John White in 20: 15, 26.
 specimens in 34: 178.
- Brittany**
 methods of keeping account in 10: 264.
 petroglyphs in 10: 176 sq.
- Britton, Dr., N. L.**
 assistance rendered by 38: p. 14.
 on fossil *Zizania* in New Jersey 19: 1031.
- Broad House.** See **Kintiel**.
- Brobdignagians**, possible originals of 17: 53 sq.
- Broca, Dr. Paul**
 cited on primitive trephining 16: 17, 18, 28.
 mention of 46: 367.
- Brodhead**, site of, an important point 42: 800.
- Brodie, Paul**, aid acknowledged 5: 130.
- Broken Arm**, delegate to Wovoka 14: 820.
- Broken Arrow.** See **Likatchka**.
- Broken Leg**, pictographic representation of 10: 716 sq.
- Brome Grass**, use of 45: 516.
- Bronchitis** among the Pima 26: 268.
- Bronson, L.**, sale of land to 18: 662.
- Brooches**, recovered from mound 44: 167.
- Brook Trout**, whole, chemical composition of 19: 1081.
- Brooke, Caroline M.**, acknowledgments to 17: 147.
- Brooke, Gen. J. R.**
 conference of, with Sioux chiefs 14: 867.
 on reduction of Sioux rations 14: 845.
 operations of, in Sioux outbreak 14: 875, 882.
 troops under, in Sioux outbreak 14: 850.
- Brooke Grove Farm**, steatite quarries in 15: 128.
- Brooks, A. H.** 46: 124, 125, 128.
- Brooks, Miss A. M.**, acknowledgments to 19: 13.
- Brooks, Prof. W. K.**, on Lucayan skulls 25: 30.
- Brooks Manuscript**
 on De Soto's route 19: 193, 194.
 on Pardo's expedition 19: 28, 29.
- Broom Rape**, belief concerning 45: 509.
- Broom Weed** 33: 133.
- Brooms, C. B.**
 cited 30: 164, 175, 176, 236, 237, 238 sq., 242 sq., 254, 267, 268, 278, 297, 298 sq., 300, 341, 357, 358, 363 sq., 368.
 on medicine-men 30: 351 sq.
 on protection against spirits 30: 293 sq.
 on Warracaba tiger 30: 367.
- Brooms**
 blue grama used for 30: 83.
 of the Omaha 13: 276.
- Brosimum Aubletii**
 for bow making 38: § 125.
 for clubs 38: § 149.
- Brother**
 application of the term 42: 83.
 elder, application of the term 42: 81, 92.
 sign for 1: 521.

Brother—Continued

- younger, application of the term 42: 81, 92.
- younger, rights of 35: 1355.
- Brotherhood** among Siouan Indians 15: 178.
- Brother-in-law**, application of the term 42: 82, 83, 84, 93.
- Brothers, The**, a Navaho myth 8: 280-284.
- Brotherton** land purchases 14: 22.
- Brotherton Indians**, tribes composing 42: 211.
- Brothetown**
 - land cessions and reservations 18: 892.
 - See also New York Indians.*
- Brouillet, J. B.**, Cayuse vocabulary of 15: XL.
- Brower, Charles D.** 46: 31, 32, 111, 123, 167, 172, 181, 206, 318.
- Brown, —**
 - on Crow habitat in 1817 15: 198.
 - on Osage habitat 15: 192.
- Brown, Colonel —**, British agent at Chickamauga 19: 55.
- Brown, Lieutenant —**, aid of, among the Seminole 5: 489.
- Brown, Mrs. —**, ransom of 19: 66.
- Brown, A. J.**, mission of 14: 946.
- Brown, Charles Barrington**
 - on pictographs in Guiana 4: 40, 43, 44.
 - rock paintings mentioned by 10: 144.
- Brown, C. E.**
 - acknowledgments to 37: 48.
 - quoted on copper implements 37: 87 sq.
 - quoted on garden beds 37: 103.
 - quoted on intaglio mounds 37: 81.
- Brown, David**
 - Bible translation by 19: 111.
 - on Cherokee condition in 1819 19: 112.
 - on effect of invention of alphabet 19: 110.
 - report on Cherokee, with census by 5: 240.
- Brown, Hugh G.**, Kiowa agent in 1893 17: 226.
- Brown, Jacob**, purchase from Cherokee 5: 147.

Brown, Joseph

- capture, adoption and release of 19: 66.
- guide to expedition of 1794 19: 78.
- on attack on Buchanan's station 19: 73.
- on Martin's expedition (1788) 19: 65.
- Brown, J. M.**, on ancestry of Sequoya 19: 109.
- Brown, J. P.**, quoted on the Dervishes 14: 948.
- Brown, J. Stanley** 23: 18.
- Brown, L. W.**, petroglyphs reported by 10: 111, 112.
- Brown, Orlando**, on Catawba among East Cherokee 19: 165.
- Brown, R.**, cited 46: 331, 332, 333, 338, 344, 367.
- Brown, Samuel R.**
 - on birds destructive to wild rice 19: 1027.
 - on Menomini gathering wild rice 19: 1062.
 - on popular synonym for wild rice 19: 1023.
 - on tying wild rice 19: 1058.
 - on wild rice field in Wisconsin 19: 1033.
- Brown, Thomas**
 - teacher among East Cherokee 19: 171.
 - translation by 40: 27.
- Brown, T. E.**, steatite quarry on farm of 15: 126.
- Brown, Mrs. Wallace**, myths related by 10: 468.
- Brown, William**, trail described by 42: 762.
- Brown, Mrs. W. W.**
 - gift of shell beads by 5: xxxvi.
 - on dice games, Passamaquoddy 24: 82 sqq.
 - on European games, Passamaquoddy 24: 792.
 - on games of Wabanaki Indians 24: 75.
 - on racket, Passamaquoddy 24: 571.
 - on racket, Wabanaki 24: 571.
 - on ring and pin, Passamaquoddy 24: 540 sq.
 - on snow-snake, Passamaquoddy 24: 406.

- Brown**
 and red ware from Pueblo ruins
 22, i: 58 sq.
 pottery from Santa Clara 2: 447.
 Serian and Yuman words meaning
 17: 335* sq.
- Brown County, Ill.**, mounds in 5:
 39 sqq.
- Brown County, Ohio**, occurrence of
 earthenware spoons in 20: 44.
- Browne, H. G.**, acknowledgments to
 14: 655.
- Browne, John**, license to purchase
 land issued to 18: 578.
- Browne, J. Ross**
 on establishment of stage lines 26:
 32.
 on fight at "Bloody Tanks" 26:
 50 sq.
 on Pima agriculture 26: 90.
 on Pima and Maricopa villages 26:
 21.
 on Pima greetings 26: 199.
 report on Fresno River reserve by
 18: 823.
 work of, cited 28: 53, 62.
- Brownell, —**, 46: 219.
- Browning, D. M.**
 on decision of citizenship claims 19:
 154.
 on East Cherokee affairs 19: 179.
 on opening of Cherokee strip 19:
 153.
- Browning, O. H.**, annuls sale of Chero-
 kee neutral land by Secretary
 Harlan 5: 349.
- Brown's Cave, La Crosse Valley,**
 Wis., petroglyphs in 10: 126.
- Brown's Valley, Minn.**, petroglyphs
 in 10: 90.
- Brown's Valley, S. Dak.**, petroglyphs
 near 10: 114.
- Brownstone, W. Va.**, ancient works at
 42: 755.
- Brownstown**
 cession of reserve at 18: 690.
 establishment of reserve at 18: 676.
 treaty of 18: 676.
- Brownsville, Tenn.**, trail from mound
 near 42: 854.
- Broyuan.** *See* Urayoan.
- Bruce, James**, quoted on Abyssinian
 hairdressing 9: 492.
- Bruce County, Ontario**, pot from
 20: 110.
- Bruchidae**, larvae of 26: 74.
- Brück, —**, on use of hat mask in New
 Britain 3: 101.
- Bruhier, J. J.**
 on Corsican customs 1: 147.
 on Persian burial 1: 103.
- Brühl, Gustav**, on Pojoaque 29: 335.
- Bruises**, medicine for reducing 30:
 44.
- Brulé**
 definition of 4: 98, 207.
 definition and habitat of 15: 160.
 Kiowa name of 17: 160.
 mention of 4: 108, 109, 119, 120,
 122, 127, 132, 134, 135, 136, 137,
 141.
 winter counts 4: 129.
See also Brulé Dakota; etc.; Sit-
 ca^{nu}xu.
- Brulé Dakota**
 colloquy in signs 1: 491.
 origin of, as pictographic call, re-
 corded 10: 567.
 tribal designation of 10: 382.
See also Dakota, Brulé.
- Brulé Reserve.** *See* Lower Brulé
 Reserve.
- Brulé Sioux**
 tree and scaffold burial of 1: 158,
 160.
See also Sioux (Brulé).
- Brulés**
 a Teton division 14: 1058.
 Ghost dance among the 14: 847.
- Brunca**, numerals of 19: 919.
- Brunett, Mrs. —**, an informant 44:
 324.
- Brunot, —**, on Columbia River land
 reserve 14: 709.
- Brunson, Alfred**
 on relative value to Ojibwa of gov-
 ernment annuity and natural prod-
 ucts 19: 1096 sq.
 quoted on the Menomini 14: 36.
- Brunswick County**, steatite quarries
 in 15: 132.
- Brush, E. A.**, land-treaty witness 14:
 29.
- Brush**
 appearance of, in pictures of Hcpi
 katchinas 21: 93.

Brush—Continued

- Eskimo traps made of 18: 121 *sq.*,
133, 184.
for painting 38: § 512.
structures of, discussed 13: 237.
use of, in roof construction 8: 150.
See also Brushes.

Brush Shelters 8: 217 *sqq.*

Brush Symbol in the Maya codices
16: 244.

Brushes

- application of colors by, eastern
United States 20: 67, 68.
blue grama used for 30: 83.
soapweed used for 30: 82.
See also Brush.

Bruyas, Rev. Jacques

- on dice games, Mohawk 24: 110 *sq.*
on Mohawk name for titmouse
19: 454.

Bruyier, John

- cited on ghost belief 11: 489.
cited on Siouan myths 11: 480.
reference to work of 11: 362.
translation by 9: xxxvii.

Bruyns, J. H., license to purchase land
issued to 18: 579.

Bry, T. de, on mystic use of bird orna-
ments 13: 126.

Bryam, O. N., collections of 15: 18.

Bryant, —, quotation from 19:
LXXXIX.

Bryant, —, wild rice harvesting illus-
trations, reference to 19: 1057.

Bryant, Edwin, on hand game, Maidu
24: 298.

Bryant, Henry S.

- material collected by 24: 608, 752.
on use in game of images, by Arctic
Highlanders 24: 104.

Bryant, L. E., acknowledgment to
42: 842.

Bryant Steatite Quarry 15: 125.

Bryson, Daniel, on Cherokee heroism
19: 501.

Bryson, Maj. James

- acknowledgments to 19: 13.
on Cherokee heroism. 19: 501.
on Cherokee roundup 19: 131.
on Rutherford's route 19: 205.

Bryson City, N. C.

- capture of East Cherokee at 19:
171.
polishing stone from 20: 56.

Buchanon, James, on synonym for
Menomini 19: 1048.

Buchanon's Station, attack on, in
1792 19: 73.

Buck (m.), **Buckeen (f.)**, Creole
names for Indians 38: § 792.

Buck, John

Onondaga chief and fire-keeper, an-
nalist 21: 136.

Onondaga cosmological myth nar-
rated by 24: xviii.

Buck, Shaman Joshua, information
furnished by 38: p. 7; 41: 8.

Buck Shell 38: § 792.

Buckeen. *See* Buck.

Bucket Handles of the Eskimo 18:
100-103.

Buckets of the Eskimo 9: 86 *sqq.*;
18: 72.

Buckeye, medicinal use of 42: 658.

Buckhorn Implements used in quar-
rying 15: 23.

Buckland River 46: 203.

Buckle, —, on Cherokee-Chickasaw
war 19: 38.

Buckley, John 46: 38.

Bucknell, Capt. Jim, material collect-
ed from 24: 291.

Bucknell River, old sites 46: 202.

Buckner, Wiley, information from
42: 544.

Buckner and Herrod, list of months
made by 42: 401.

Buck's Garden, Va., route from
42: 768.

Buckskin

appearance of, in pictures of Hopi
kateinas 21: 60, 98, 102, 108,
111, 121.

ceremony of throwing out, to spirits
37: 431, 513, 544.

decorative use of, in Pamürti festival
21: 28.

in making war implement for Hopi
kateinas 21: 90.

marking of 37: 443.

offering of, to spirits 37: 429 *sq.*,
465.

preparation of, for war-bundle feast
37: 428, 442, 530.

use of, as altar 47: 280, 301.

use of, in apparel of Hopi kateinas
21: 72, 73, 79, 85, 86, 87, 94.

use of, in trade 41: 158.

- Buckskin Bag**, occurrence of, with Mandan vessel 20: 198.
- Buckskin Ball**, appearance of, in pictures of Hopi katchinas 21: 116.
- Budd, Harry**
 on Arroyo Hondo 29: 187.
 on Arroyo Hondo Creek 29: 176.
 on Arroyo Hondo settlement 29: 177.
 on Elizabethtown 29: 176.
 on Luceros settlement 29: 176.
 on Pueblo Canyon 29: 191.
 on Pueblo ruin 29: 196.
 on Rancho de Taos 29: 185.
 on San Ildefonso 29: 304.
 on Sandia 29: 525.
 on Santa Clara 29: 241.
 on Santa Fe 29: 460.
 on Seco town 29: 178.
- Buell, Col. G. P.**, destruction of Kiowa camp by 17: 211.
- Buelna, Eustaquio**
 on Cahita number names 19: 867.
 on Cahita numerals 19: 908.
- Buen Llano**, Pima village 26: 21.
- Buena Vista**
 land cessions and reservations 18: 782.
 Ruin, description of 22, i: 171 *sqq.*
- Buena y Alcalde, Mariano Antonio**, plan for Seri mission by 17: 80.
- Buenagua**, Alarcon's name for Colorado River 14: 406, 574.
- Buffalo**
 abandonment of Sun-dance for lack of 17: 346.
 albino, sacred 27: 284.
 as food 46: 581 *sq.*
 as taboo animal 27: 47.
 beliefs concerning 11: 37, 393, 403, 475, 505, 510, 518.
 Cherokee gift of skin of, to Spaniards 19: 27.
 connection of, with origin of maize 27: 76 *sqq.*
 connection of, with Te'ithaethe 27: 487 *sq.*
 disappearance of 27: 29, 33, 244, 619, 634 *sq.*
 discussion of destruction of 46: 460 *sqq.*
 effect of extermination of 17: 349.
- Buffalo—Continued**
 extermination of 17: 199, 207, 219, 283, 344, 345, 349.
 fat of, use of, in Hako ceremony 22, ii: 20.
 gathering of, at Salt Licks 42: 742, 743, 788.
 gentes of the Omaha 13: 277.
 hair of, symbolism of 22, ii: 22, 47.
 hair of, use of 22, ii: 20.
 hair of, use of rope of 22, ii: 26.
 hunting of 45: 96, 103, 347; 46: 530-536.
 importance of 45: 624, 632; 46: 410 *sqq.*
 Indian trade in 17: 345.
 influence of, on the Indian 13: LIV.
 Kiowa attempt to restore 17: 345.
 Kiowa genesis of 17: 349.
 Kiowa methods of hunting 17: 309.
 Kiowa reverence for 17: 237.
 myths and lore concerning 19: 263, 293, 410, 412, 443.
 origin of 27: 71, 147, 239.
 parts of, eaten raw 46: 581.
 purchase of, for Sun dance 17: 355.
 represented in Shell Society figure 27: 559.
 reservation for 18: 796.
 results of extermination of 45: 152.
 robe of, use of 22, ii: 26.
 sign for 1: 488.
 signals for, discovered 1: 532.
 skull, use of, in ceremonial 11: 545.
 special connection of, with man 27: 512.
 Sun ceremony, derivation of Calako masks from tribes practicing the 21: 110.
 symbolism of, in Hako ceremony 22, ii: 80, 81.
 taboo among the Omaha 11: 411.
See also **Bison; Buffaloes; Game; Hunting; Muscaras; Mucaias.**
- Buffalo Back**, a life symbol 36: 132.
- Buffalo Back Gens** 36: 134-139.
- Buffalo Bill.** *See* **Cody, W. F.**
- Buffalo-Bill-coming-out**
 Kiowa leader 24: 285.
See also **Pa-tepte.**
- Buffalo, Black.** *See* **Black Buffalo.**

- Buffalo Bull**, as a symbol of courage and strength 39: 244.
- Buffalo-Bull Eagle**, Minikooju gentes given by 15: 220.
- Buffalo-bull-face Gens.** *See* Tse-do'-ga In-dse Gens.
- Buffalo-Bull Gens**
rite accredited to 39: 205.
See also Tho'-xe Gens.
- Buffalo Bull Men**, songs of the rising of the 39: 206-213.
- Buffalo Bur**, used in medicine 30: 60.
- Buffalo Calf** on Kwapa gentes 15: 230.
- Buffalo Clan**
functions of 37: 200, 243.
funeral customs of 37: 154 sq.
origin myth of 37: 243 sqq.
personal names of 37: 246.
songs of 37: 245.
- Buffalo Clan Feast**, participation in 37: 206.
- Buffalo Creek, N. C.**
cession of reserve on 18: 770, 776.
mounds near 5: 68.
reservation on 18: 660.
treaty of 18: 662, 768-772, 776.
- Buffalo Dance**
appearance of Mucaias mana in 21: 92.
celebration of 21: 21.
description of 11: 513.
description of, Palülüköñti festival 21: 43.
legend of origin of 19: 352, 485.
mention of 45: 387.
of the Omaha 3: 347.
of the Sauk 40: 504.
origin of 21: 31.
significance of appearance of eagle in 21: 67.
tradition concerning 42: 787.
Woe katchina represented in 21: 66.
See also Bison - dance; Green Buffalo Dance; White Buffalo Dance.
- Buffalo-eaters**, name applied to the Bannock 14: 1051.
- Buffalo-Face Gens**
mention of 36: 121.
See also Tse-do'-ga In-dse Gens.
- Buffalo Game** of the Cheyenne 24: 446.
- Buffalo Gap**, appearance of troops at 14: 850.
- Buffalo Head**, the wa-xo'-be of an Omaha subgens 36: 65.
- Buffalo Horn.** *See* Sétk'opte, Paul.
- Buffalo-horn Game** of the Teton Dakota 24: 417.
- Buffalo Hunt**
ceremonial cleansing before 33: 132.
description of 37: 112.
influence of, on basketry 41: 141.
Ponka, ritual connected with 27: 442, 446.
route of, designated by chiefs 36: 67.
winter, account of 27: 271.
- Buffalo Hunt, Annual**
control of Council of Seven 27: 209 sq.
dispatch of scouts 27: 142, 423-426.
general account of 27: 137, 270 sq., 275-283.
leadership in Inke'çabe gens 27: 146 sq.
preservation of order in 27: 215.
references to 27: 45, 46, 357 sq.
religious element in 27: 309.
rites connected with 27: 200, 596.
- Buffalo Maid**
sun symbol worn by 21: 93.
See also Mucaias mana.
- Buffalo Man**, side composed of one rib 32: 101.
- Buffalo Path** 42: 788-791.
- Buffalo Pea** 33: 91.
- Buffalo Plains** visited by Spaniards 14: LVII.
- Buffalo Robe**
symbolic, used in ceremony 43: 54.
use of 45: 235.
- Buffalo Shrine**, offerings placed in, in Buffalo dance 21: 30.
- Buffalo Sioux**, connection of, with northeastern textile-marked pottery 20: 198.
- Buffalo Skin**
appearance of, in representations of Hopi katchinas 21: 73.
instructions for dressing 36: 270 sq.
replacement of, by sheepskin 21: 92.

Buffalo Skin—Continued

use of, in apparel of Hopi kateinas
21: 73.

Buffalo Society

mention of 40: 517.

number of 37: 317 *sq.*

See also **Little Spotted Buffalo Society.**

Buffalo Songs

mention of 36: 141 *sqq.*, 293 *sq.*;
45: 623-639, 640-643.

meaning of 36: 143 *sq.*

of the Osage 39: 192-205, 283-289.

ritual closed with 39: 205, 326.

Buffalo Spirits

myths of 37: 437.

society of those blessed by 37:
344-347.

Buffalo Tail, feast to 37: 387.

Buffalo Trace, route of 42: 742.

Buffalo Trails, followed by immigrants 42: 742.

Buffalo Youth. *See* **Mucaias taka.**

Buffaloberry

mention of 33: 106.

use of 45: 472, 489, 505.

Buffaloes

a gift to the people 39: 207, 211.

age of the 15: 187.

as a sign of blessing 40: 49.

belief in restoration of 14: 799,
907, 1088.

belief of the Kiowa concerning 14:
906.

body killed but spirit unharmed 32:
102.

ceremony for restoration of 14:
906.

effect of extermination of 14: 825,
829, 831, 833.

former range of 15: 173.

hair of, as a symbol 39: 58 *sq.*

hair used in medicine 14: 1033.

hearts and tongues of, collected 3:
289.

hearts and tongues of, feast on 3:
290.

hunted in Allegheny regions 41: 611.

hunting by the Sioux 14: 824.

hunting, how conducted 14: 1071.

importance of, to Siouan Indians
15: 172, 173.

in Biānk'í's vision 14: 910.

Indian dependence on 14: 980.

Buffaloes—Continued

in Ghost dance doctrine 14: 821,
1064.

in Sioux mythology 14: 1063.

in Tennessee 41: 608 *sq.*

killed in hunt, division of 3: 291.

late arrival of, in Tennessee 41: 609.

order of approaching a herd of
3: 289.

skins of, given to Coronado 14: 505.

skins of, obtained through trade by
Sonora Indians 14: 357.

story about 43: 397.

use of skulls of, in Sioux ceremony
14: 822.

vision of 14: 797, 821.

See also **Buffalo**; and cross-refer-
ences.

Bufort, T. Jay

material collected by 24: 248.

on hand game, Calapooya 24: 284.

on stick game, Klamath 24: 248.

on stick game, Tututni 24: 239.

Bugle Weed

in Cherokee lore 19: 420.

use of 44: 207, 290, 320; 45: 480.

Bugloss in Cherokee lore 19: 426.

Bugs not indigenous to British Guiana
38: § 934.

Buhrstone

formation of 44: 505.

See also **Chert** (*varieties of*).

Buhuti. *See* **Boii**; **Priesthood** (*An-
tillean*).

Builder's Tools of the Eskimo 9: 302
sqq.

Building among the Sia 11: 23.

Building Chant of the Seri 17: 223*
sq.

Building Materials, used by Pueblo
Indians 22, i: 176, 177.

Buildings

character of 41: 552.

custodians of 42: 180.

number of, on Gordon site 41: 495,
497.

on mound 41: 501, 562 *sqq.*, 567-
571.

public, evolution of 42: 176.

public, types of 42: 191.

sacred, of the Creeks 42: 687.

shape of 41: 495.

storage, Spring Canyons 33: 165.

Buildings—Continued

traces of 41: 591.

See also **House**.**Buli or Butterfly Clan**

advent of, at Walpi 19: 585.

introduction of Owaküiti from Awatobi by 21: 58.

same as Homani or Badger Clan 19: 607.

Buli Manas

appearance of, in Butterfly dance 21: 58.

derivation of 21: 125.

description of 21: 119, 120.

Bulimus 38: § 286.**Bulitikibi**, description of 21: 58.**Bulkley, Charles S.** 46: 128.**Bull, William**, treaty concluded by 18: 633.**Bull-boat**, description of 27: 36, 37.**Bull Head**

at arrest of Sitting Bull 14: 857.

Cherokee leader in wars with Creeks 19: 384.

killed in Sitting Bull fight 14: 858.

shot by Catch-the-bear 14: 857.

Sioux policy under 14: 855.

Sitting Bull shot by 14: 857.

stoutness of, caused by the curse of Txämsem 31: 71.

Bull Nettle

used in curdling milk 30: 70.

used in medicine 30: 60.

Bull Snake, a life symbol 36: 103.**Bull-tail**, death of 17: 269.**Bullard, Jack**, syllabary text by 40: 378.**Bullard, Mrs. Jack**, sacred pack owned by 40: 378.**Bullet**

game of 24: 309, 339-345.

game of the Menomini 14: 242.

game played with 44: 244.

lead, recovered from mound 44: 166.

Bullet Molds of the Eskimo 18: 164.**Bullet Starter** of the Eskimo 18: 164.**Bullfrog**myths concerning 19: 310 *sq.*, 463.*See also* **Frog**.**Bullhead-dish** 35: 813, 816, 818.**Bullroarer**

appearance of, in Hopi katchinas 21: 30.

Bullroarer—Continued

description of 24: 750.

in pictures of Hopi katchinas 21: 97, 120.

of the Arapaho 14: 974, 975.

played by the 24:

Apache 750.

Dakota, Oglala 750.

Dakota, Teton 750.

Hopi 750.

Navaho 750.

Omaha 750.

Zuñi 750.

use of, among Indians 9: 476-479.

use of, by Teolawitze 21: 61.

See also **Whizzer**.**Bull's Dance**, description of 46: 562.**Bull's Dry Bones**, doctor and soothsayer 46: 422.**Bulrush**

mention of 33: 69.

use of 44: 393, 397, 320, 378; 45: 481, 484.

Buluc-ahau, a Maya deity 16: 244.**Bulwer**, —, on customs of self-mutilation 3: 77, 83, 84, 85.**Bumblebees**, used as medicine 44: 331.**Bun, Hot Cross**, of Good Friday 9: 544 *sq.***Bunch-berries** (*Chamaepericlineum unalaschkense*).

mention of 35: 596.

use of 44: 288, 321; 45: 458.

Bundle Burialsof bones 41: 601 *sq.**See also* **Burial**.**Bunia Bird**associated with air plants 30: 209, 231 *sq.*, 371.legends of 30: 131, 209, 221, 231 *sq.*

man taught by 30: 147, 209, 221, 271.

stench of 30: 371.

Bunnell, C. E. 46: 31, 38.**Bunts**, described and figured 13: 168.**Bunzel, Dr. Ruth**

contributor to Bureau 48: 1189.

reference to 41: 387.

Buoy, of fishing line 35: 180.**Buprestis**, wing cases as bells 38: § 575.

- Bur Snakeroot**
 use of 44: 293.
See also Sanicula Canadensis.
- Bura.** *See Deer.*
- Burch, James**, contractor for stage line 26: 32.
- Burchard, J. L.**, on pit burial 1: 124.
- Burchell's** 46: 46.
- Burden Baskets**
 change in 41: 236, 361.
 coils of 41: 164, 165.
 description of 41: 198-201.
 designs on 41: 229-234.
 development of form of 41: 386.
 grouped according to shape 41: 197.
 of the Chilcotin 41: 344-348.
 of the Lillooet 41: 335-338, 421 sq.
 of the Shuswap 41: 351 sq.
 of the Thompson 41: 416-420.
 proportions of 41: 212-223.
 shape of 41: 137.
 technical difficulties in decorating 41: 258 sq.
 terms for 41: 395 sq.
 two groups of 41: 217 sq.
 value of 41: 157, 158.
 widespread use of 41: 141.
- Burden-bearer** in Troano Codex 16: 250.
- Burden-bearing** by the Seri 17: 149*.
- Burden-strap**
 description of 27: 339 sq.
 symbolic 36: 152, 153.
- Burdock**
 medicinal use of 43: 266.
 mention of 33: 135.
 of recent introduction 33: 59.
 use of 44: 287, 340, 377.
See also Arctium Minus.
- Bure-akwa**, gourd flageolet 38: § 565.
- Bureau of American Ethnology**
 appropriations for 41: 1, 25, 47, 77, 99.
 director and chiefs of 48: 1188.
 Eighth Annual Report of the, cited on Tusayan architecture 19: 579.
 expedition of July 1879, members of 23: 15.
 linguistic classification of Siouan tribes 27: 605.
- Bureau of American Ethnology—**
 Continued
 policy of 42: 1 sq.
 report on work of 42: 1-19.
 sketch of 48: 1187 sqq.
 system of spelling of 4: 147.
 work of, in Alaska 46: 30.
 work of 41: 3, 25 sqq., 47-50, 77-80, 99 sqq.
See also Administrative Report.
- Bureau of Indian Affairs**, policy of 47: 56.
- Buret de Longchamps**, on Borinquenō tradition 25: 130.
- Burgoa**, on Huave number 19: 918.
- Burgos, Juan de**, estate of, forfeited for bachelorhood 14: 379.
- Burgos sp.**, for shell beads 38: § 73.
- Buri**, timber for fire-stick 38: § 1.
- Burial**
 among northern Indians 11: 271.
 among Pueblo Indians 14: 518.
 among the Sia 11: 144.
 ancient and modern methods of 32: 459.
 Apingi 1: 125, 126.
 aquatic 1: 180.
 Bari of Africa 1: 125.
 Bechuanas of Africa 1: 126.
 beneath, or in cabins, wigwams, or in houses 1: 122.
 beneath, or in dwellings 12: 674.
 box 1: 155.
 burning of food at 35: 709.
 by men 40: 423.
 by Tiguex Indians 14: 595.
 by women 40: 423.
 Caddos 1: 103.
 cairn 1: 142.
 cairn, of the Ute 1: 142.
 Carolina tribes 1: 93.
 case, of the Cheyenne 1: 162, 163.
 cave 1: 126.
 ceremonies, use of fire in 12: 675.
 chieftain, of the 1: 110, 111.
 classification of 1: 92 sq.
 communal or tribal 12: 657.
 customs connected with 11: 486; 42: 337, 384, 388, 398.
 Damara 1: 126.
 dance, Yokaía 1: 192, 194.
 dances 1: 192.
 Eskimo manner of 18: 310 sqq., 314 sq.

Burial—Continued

- feast, description of, by Beltrami 1: 190, 191.
- feast, of the Hurons 1: 191.
- feasts 1: 190.
- feasts, superstitions regarding 1: 191.
- festivals and customs 38: § 839–867.
- fires of the Algonkin 1: 198.
- fires of the Eskimo 1: 198.
- fires of the Yurok 1: 198.
- folding skeletons in 12: 539.
- food 1: 192.
- games during 1: 195.
- grave 1: 101.
- ground, in canoes 1: 112.
- in logs 1: 138, 139.
- in mounds 1: 115.
- in sitting or squatting posture 12: 674.
- in standing position 1: 151, 152.
- Indians of Virginia 1: 125.
- instance of hasty, after battle 12: 546.
- interment, the usual mode of 12: 672.
- Iroquois 1: 140.
- Kaffir (of Africa) 1: 126.
- Klamath and Trinity Indians 1: 106, 107.
- Latookas 1: 126.
- lodge 1: 152.
- lodges of the Blackfeet 1: 154.
- lodges of the Cheyenne 1: 154.
- lodges of the Shoshone 1: 153, 154.
- mention of 31: 534; 35: 973, 1087.
- method of bundling skeleton in 12: 539.
- methods of, Florida and Gulf Coast 20: 119.
- Muscogulges 1: 122, 123.
- meaning and derivation of word 1: 93.
- myth concerning 19: 256, 440.
- of Alarie 1: 181.
- of an Indian chief described 12: 678.
- of Blackbird 1: 139.
- of De Soto 1: 181.
- of Long Horse 1: 153.
- of Ouray 1: 128.
- of parts of body 35: 743.

Burial—Continued

- of the Guiana Indians 38: § 832–836.
- of the Moquis 1: 114.
- of the Navaho 1: 123.
- of the Obongo 1: 139, 140.
- of twins 35: 686.
- Parsi method of 1: 105, 106.
- pit 1: 93.
- Pitt River Indians 1: 151.
- position in 40: 383, 393.
- posts, Sioux and Chippewa 1: 197, 198.
- Potomac-Chesapeake province, influence of, on potter's art 20: 150 sq.
- pulling down of roof at 35: 709.
- removal of flesh before 12: 672.
- Round Valley Indian 1: 124.
- sacrifice, Aztecs and Tarascos 1: 190.
- sacrifice, Indians of the northwest 1: 187, 189.
- sacrifice, Indians of Panama 1: 180.
- sacrifice, Natchez 1: 187, 189.
- sacrifice, Tsinuk 1: 179.
- sacrifice, Wascopums 1: 189, 190.
- Sauks and Foxes 1: 94, 95.
- scaffold 1: 162.
- several modes of 12: 672.
- skeletons often bundled in 12: 673.
- skeletons sometimes folded in 12: 674.
- song, Schiller's 1: 110, 111.
- songs 1: 194.
- songs of Basques and others 1: 195.
- superstitions, Chippewas 1: 199, 200.
- superstitions, Indians of Washington territory 1: 201.
- superstitions, Karok 1: 200.
- superstitions, Kelta 1: 200.
- superstitions, Modocs 1: 200, 201.
- superstitions, Mosquito Indians 1: 201.
- superstitions, Tlascaltecs 1: 201.
- superstitions, Tolowa 1: 200.
- surface 1: 138, 139.
- tree 35: 1120.
- urn 1: 137.
- urn and cover, Georgia 1: 138.
- urn and cover, North Mexico 1: 138.

Burial—Continued

use of pottery in 20: 23 sq., 25, 33, 37-42.

See also **Burial Boxes, etc.; Burials; Mortuary Customs; Mortuary Pottery.**

Burial Boxes

painting of 46: 64.

See also **Boxes.**

Burial Case, boat-shaped, clay 12: 360.

Burial Cists

in Casa Blanca 16: 109.

in cliff ruins, discussed 16: 166.

See also **Cists.**

Burial Customs

mention of 47: 137 sq., 248 sqq., 276, 278, 286, 290, 482 sq., 540, 856.

of the Assiniboin 46: 570-576.

of the Chickasaw 44: 229-235.

of the Creek 42: 337, 384, 388-398.

of the Guiana Indians, details 30: 149, 155-160.

of Indians and mound builders compared 12: 671-679.

of the K'iakima natives 8: 86.

of the Salishan tribes 45: 164, 172-176, 288 sq., 382 sq.

of the Tsimshian 31: 534 sqq.

of the West Indian natives 34: 90, 225, 226.

of the Zuñi 15: 306.

See also **Burial; Burials; etc.; Funeral Customs; Mortuary Customs.**

Burial Grounds

Barrow 46: 206.

East Cape 46: 211.

general 46: 172.

location of 44: 64.

Nook 46: 197.

Pastolik 46: 195.

pottery in 4: 434.

preference, Yukon 46: 68.

Western Eskimo 46: 183.

Burial House 33: 658.

Burial Inclosures at K'iakima 8: 147.

Burial Mounds

absence of 46: 573.

classification of, in Ohio district 12: 567.

description of 41: 586 sqq.

Burial Mounds—Continued

in group at Rice Lake 37: 92.

in Upper Barbaboo Valley 37: 91.

of the Appalachian district 12: 574.

of the Dakotan district 12: 538.

of Wisconsin, built in part, at least, by Indians 12: 708.

See also **Conical Mound.**

Burial Mounds of the Northern Sections of the United States, by Cyrus Thomas 5: xxxviii-xlii, 3-119.

Burial of the Cliff-dweller, preservation of 41: 52.

Burial Places

caves as 34: 57, 61, 248.

mounds as 34: 247.

of the Zuñi 8: 148.

See also **Graveyards.**

Burials

above ground 46: 183.

absence of, in mound 41: 501.

adult, in house circle 41: 543.

after decay of the flesh 41: 601.

along Saline River 42: 808.

around Winfield 42: 844.

assimilation of, by tundra 46: 77, 79.

at Gordon site 41: 498 sq.

at Elden Pueblo 43: 2 sq.; 44: 2 sq.

Auk Point 46: 33.

Barrow 46: 111.

beneath floor of houses 44: 232.

Bonasila 46: 60, 61, 63.

"bunched" 44: 454.

bundles, description of 44: 454.

Burchell's 46: 46.

burial boxes 46: 183.

cave 42: 752.

change in, after Civil War 42: 397.

covered with stones 42: 702.

customs connected with 37: 140-155.

deep, of recent objects 46: 65, 67, 169.

despoiling of 46: 63, 64.

earth, clans employing 37: 187.

Eklutna 46: 38.

flexed or folded 41: 587 sq.; 42: 844; 44: 454.

Ghost Creek 46: 63, 64.

Goldthorpe 37: 99.

Greyling River 46: 58.

Burials—Continued

- in Burton Mound 42: 9.
- in cane baskets 41: 571.
- in Chaco Canyon 44: 10.
- in conical mounds 37: 84.
- in dwelling of deceased 42: 392, 394, 395.
- in fire bowl 41: 560.
- in floor of wigwam 41: 598.
- in houses 46: 183, 364.
- in lodge 46: 573.
- in mounds 44: 416-421, 424, 447 sqq., 453-463, 465 sq.
- in Nacoochee mound 37: 2 sq.
- in Province of Gualdape 42: 689.
- in rocks 46: 183.
- in shell heap 44: 442-446.
- in sitting position 42: 390, 392, 395, 397; 44: 66, 230; 46: 573, 574.
- in sitting position, explanation of 42: 397 sq.
- in stone chambers 37: 103.
- intrusive 41: 606; 44: 417, 418.
- Kaltag (above) 46: 55.
- Kotlik (near) 46: 75.
- Little Diomedes 46: 95.
- location of 46: 183.
- medicine taken after 42: 664.
- Meyer's (below) 46: 50.
- "Mounds" near Barrow 46: 319.
- multiple 41: 605.
- nature of 46: 55, 58, 61, 63, 77, 90.
- near salt spring 42: 783.
- Nulato (below) 46: 54.
- objects accompanying 46: 77.
- of bones of the dead 41: 538; 42: 389.
- of children 41: 499, 520 sq., 537, 546, 547, 598, 601.
- of dead under dwellings 4: 288.
- of property with the dead. 4: 288.
- of stillborn or very young children 42: 398; 47: 214.
- of the living, no evidence of 42: 384.
- of the Thunderbird clan 37: 211.
- on hilltop 46: 572.
- orientation in 42: 390, 395, 396, 398; 44: 230, 233; 46: 572, 573.
- papers on 40: 16; 43: 16.
- Pastolik 46: 75, 78.
- place of 47: 210.

Burials—Continued

- Point Hope 46: 102.
- prejudice against disturbance of 44: 66.
- Ruby (near) 46: 49, 53.
- scaffold, clans employing 37: 187.
- scaffold or tree 46: 493, 571, 572, 574.
- self 46: 184.
- Seward Peninsula 46: 90.
- Shinerara 46: 109.
- stone slab, excavated 44: 488 sq.
- surface 46: 363.
- two methods of 37: 140.
- under bed in dwelling 42: 381, 383, 392.
- under house floor 42: 394, 395.
- Yukon Eskimo 46: 83.
- Yukon, location of 46: 138.
- See also* **Bundle Burials; Burial; etc.; Children's Burial; Flexed Burials; Graves; Scaffold Burials; Stone-slab Burials.**
- Burials, Eskimo**
 - cremation of the dead 9: 426.
 - disposal of the corpse 9: 425 sq.
 - dog's head placed near child's grave 9: 426.
 - implement of the deceased buried with him 9: 424, 426.
 - manner of preparing the corpse for 9: 424.
 - mourning of the dead 9: 426.
 - of children 46: 77.
 - protection of corpse from animals 9: 425.
- "Buried City of the Panhandle,"**
 - visited by Dr. J. W. Fewkes 37: 6.
- Buriel, a variety of cloth** 14: 543.
- Burin, stone implements used as** 13: 164.
- Burk, John D.**
 - on Cherokee invasion of Virginia 19: 30.
 - quoted on Virginia's Indian policy 18: 563 sqq.
- Burke, Don Santiago,** (same as James Burke), owner of Burton Mound 44: 57.
- Burke, Edmund,** commissioner to treat with Cherokee 5: 298, 305.
- Burke, James** (same as Don Santiago Burke (*q. v.*))

- Burke County, N. C.**, mounds in 5: 73.
- Burkitt, M. E.** 46: 332, 333, 351.
- Burma**, tattooing in 10: 413.
- Burnet, —**, commissioner to Cherokee 19: 145.
- Burning**
 captives, probably practiced by mound builders 12: 676.
 influence pottery, materials and methods used in 4: 495, 496.
 of Indian captives condemned by Spaniards 14: 393.
 of Indians at stake by Spaniards 14: 497.
 pottery 4: 434 sq.
- Burning Brush** 33: 102.
- Burning Spring, W. Va.**, pictographs at 4: 22.
- Burns, Hon. Joseph W.**, Indian mound reported by 44: 14.
- Burns, Robert**, acknowledgments to 14: 655.
- Burns**, treatment for 30: 42, 51.
- Burnside, Mrs. S. A.**, collection presented by 41: 116.
- Burnside, Ky.**, trail from, to Lexington 42: 844.
- Burnt Point** 35: 1139.
- Burnt Tobacco**, contact with Nûñné'-hí by 19: 332.
- Bur-oak** 33: 75.
- Burr, David H.**, on influence of wild rice on geographic nomenclature 19: 1121, 1122.
- Burrell, H. H.**, Casa Grande photographed by 15: 343.
- Burro Creek, Ariz.**, reference to 28: 209.
- Burro Spring**, ruins near, reference to 22, i: 55.
- Burros**, Seri method of hunting 17: 204* sq.
- Burrow**, among the Pima 26: 86.
- Burrowing Owl People**, settlement in Tusayan of the 8: 26.
- Burs**, in Cherokee lore 19: 426.
- Bursa bursa-pastoris**
 medicinal constituents of 44: 304.
 medicinal properties of 44: 300.
 use of 44: 288, 344.
- Burt County, Ky.**, reference to 27: 100.
- Burton, Lewis T.**
 mound named for 44: 32.
 owner of Burton Mound 41: 108; 42: 8; 44: 60.
- Burton, Robert**
 cited on exorcism 9: 584.
 cited on magic cords and girdles 9: 568, 569, 575.
- Burton, Capt. R. F.**, on Arapaho language 1: 314.
- Burton Mound**
 brief history of site of 44: 31 sq.
 contour map of 44: 68, 69.
 description of 44: 64 sqq., 68 sqq.
 excavation of 41: 85 sq., 107 sqq.; 44: 66-72.
 first pictured by Alfred Robinson 44: 55.
 genesis of title of 44: 56 sq.
 grading of 44: 70.
 location of 44: 35.
 purchased by A. F. Hinchman 44: 59.
- Burton Mound Village**
 old Indian name for 42: 8.
 work at, of J. P. Harrington 42: 8 sqq.
- Buruburuli**, red pigment 38: § 28.
- Bury, John**, archeologic collection of 15: 18.
- Busby, A.**, reference to 40: 501.
- Bush, Maj. Joseph**, on time charts 4: 94, 99-127.
- Bush**, string figure of 38: § 690.
- Bush Child, The Little**, legend of 30: 326.
- Bush Cow.** *See* Tapir.
- Bush Devils**
 nature of 30: 171.
See also Bush Spirits.
- Bush Hogs**
 bina for 30: 282, 284 sq.
 glands 30: 368.
 head carried in Parishara dance 38: § 593.
 hoofs used as bells 38: § 723.
 hunting of 38: § 167, 272.
 legends concerning 30: 187.
 taming of 38: § 723.
 teeth of, talismans from 30: 289.
 used as food 30: 297.
- Bush-Master Snake**
 antidote against 30: 232.
 basketry design 38: § 445.

Bush-Master Snake—Continued

- origin of 30: 122, 368.
- transformation of, to pot 30: 193.

Bush Rat

- legend concerning 30: 223.
- trap for 38: § 172.

Bush Rope

- climbing vine used for 38: § 72.
- ladders 38: § 787.

Bush Shelter, a temporary 38: § 298.**Bush Spirits**

- amativeness of 30: 170, 177, 181, 187, 189.
- anger of, at mockery 30: 170, 194.
- association with 30: 170, 195 *sqq.*
- belief in 30: 152, 154, 163.
- binas against 30: 298.
- cannibalism of 30: 170, 177, 181, 187.
- dead restored by 30: 170, 178.
- description of 30: 170–177.
- exorcism of 30: 149, 163 *sq.*, 170, 182, 197.
- explanation of 30: 366.
- helpfulness of 30: 170, 178 *sq.*
- hunting ability of 30: 185 *sqq.*
- invocation of 30: 347–351.
- killing of 30: 188 *sq.*
- mimicking of 30: 194.
- mischievous done by 30: 170, 179–185, 187.
- names of 30: 170 *sq.*, 193 *sq.*
- natural history of 30: 170–198.
- origin of 30: 170.
- plants associated with 30: 228–234.
- protection against 30: 170, 177, 180 *sq.*, 196 *sqq.*, 298.
- recognition of 30: 176 *sq.*, 185, 190.
- smell of 30: 177.
- tobacco laid by 30: 191 *sq.*
- tricking of 30: 191.

See also **Adda**; **Animals**; **Dai-dai**; **Ekkekuli**; **Hebus**; **Hyorokon**; **Ilokiamo**; **Immawari**; **Jurupari**; **Konoko-Kuyuha**; **Maboya**; **Makai-Mabáni**; **Mawári**; **Sickness**; **Tukuyuha**; **Yawahus**; **Yurokon**; etc.

Buschmann, Johann C. E.

- classification of Seri by 17: 300*.
- English-Pima vocabulary by 26: 269.
- linguistic literature of 7: 18, 19.
- notes on Seri by 17: 99.

Buschmann, Johann C. E.—Contd.

- on Cuyamunque 29: 333.
- on Isleta 29: 529.
- on Jacona 29: 330.
- on Jemez 29: 403.
- on Kiowa language 7: 84.
- on Pima language 7: 99.
- on Pimería 26: 76.
- on Shoshonean families 7: 109.
- on Taos 29: 182.
- Shoshonean and Nahuatl families regarded as one by 7: 140.
- signs of Accocessaws 1: 324.

Bushmen

- inscriptions by 10: 180–183.
- rock etching by 13: 164.

Bushnell, David I., jr.

- acknowledgments to 29: 12; 42: 670.
- bulletins by 43: 16; 44: 15.
- journal edited by 42: 761.
- manuscript by 30: 24.
- manuscript purchased from 41: 6.
- on moccasin game, Chippewa 24: 340.
- papers by 40: 18.
- pottery discovered by 41: 525 *sq.*
- revision of Catalogue of Prehistoric Works east of the Rocky Mountains by 33: 32.
- work of 34: 22 *sq.*; 36: 27; 37: 22; 38: p. 16; 39: 22 *sq.*; 40: 15; 41: 14, 40, 67.

Bushnell, D. P., on relative value to Ojibwa of wild rice and government annuity 19: 1096.**Bushotter, George**

- cited on Ghost lodge 11: 487.
- cited on Indian beliefs 11: 496.
- cited on Indian customs 11: 493.
- on hoop and pole, Teton Dakota 24: 508.
- quoted on buffalo myths 11: 476.
- quoted on Heyoka women 11: 471.
- quoted on Indian beliefs 11: 441, 447, 467.
- quoted on Mandan song 11: 464.
- quoted on Sun dance 11: 453.
- quoted on sun worship 11: 450.
- quoted on worship of Inyan 11: 448.
- translations by 9: xxxvii.
- work of 8: xxix.

Busk (1)

- a peace ceremonial 42: 548.
 - a religious ceremony 42: 671.
 - at Oteciapofa 42: 581, 583.
 - attendance at 42: 576 *sq.*
 - benefits derived from 42: 546.
 - ceremony of 42: 546-614.
 - changes in celebration of 42: 579 *sq.*
 - custom connected with 42: 122.
 - decline of 42: 601.
 - fast of 42: 569.
 - finer for not attending 42: 320, 356, 555, 567, 577, 603.
 - invitations to 42: 252, 554.
 - Kasi'hta, new fire ceremony of 41: 513.
 - length of 42: 577.
 - meaning of the word 42: 546.
 - new year beginning with 42: 401.
 - object of, the tribal health 42: 547.
 - of the Texas Alabama 42: 601 *sq.*
 - offenses cancelled at 42: 344, 373.
 - origin of 42: 60.
 - preparations for 42: 591.
 - psychological effect of 42: 548.
 - religious character of 42: 548, 549, 568, 569, 570, 593, 600.
 - restrictions connected with 42: 573.
 - similarity of, in various towns 42: 589.
 - sin expiated at 42: 590.
 - stories of origin of 42: 546 *sq.*
 - unifying element in Creek confederacy 42: 548.
 - See also Booske Tah.*
- Busk (2),** for training of priest or doctor 42: 617-620.
- Busk, Creek,** among the Chickasaw 44: 262.
- Busk Dances,** sun married 42: 609 *sq.*
- Busk Day,** observance of 42: 554, 555.
- Busk Fire**
- connection of, with sun 42: 484.
 - reference to origin of 42: 262.
 - symbolism of sticks of 42: 548.
 - See also New Fire.*
- Busk Ground**
- arrangement of 42: 177.
 - in relation to the town 42: 172.
 - See also Ceremonial Grounds.*
- Busk Medicines,** origin of 42: 546 *sq.*

Busk Names. *See Titles (or Busk Names).*

Bustamente, authority for Mexican manuscripts 3: 65.

Bustamente y Tagle, Bernardo Antonio de, on the Sia 29: 519.

Busycon Perversum, from mounds 12: 83, 116, 131, 224, 225, 303, 343, 386, 518, 685, 713.

Busycon Shell, copied as a vessel 4: 454.

Busycon Shell, Columellae of

gorgets derived from 2: 273, 276, 282, 290, 292, 294, 296.

pendants derived from 2: 209, 259.

perforated plates derived from 2: 265.

used as beads 2: 220, 224.

used as celts 2: 204.

used as pendants 2: 209, 250.

used as pins 2: 213.

used as vessels 2: 194, 197.

used as weapons 2: 211.

used in the arts 2: 191.

Butchering

of mountain goat 35: 174, 428, 441.

of porpoise 35: 446.

of seal 35: 451.

song 39: 134.

Butel-Dumont, G. M.

on earthenware drums of Louisiana Indians 20: 34 *sq.*

on Louisiana Indian embroidery 13: 28.

on Louisiana Indian featherwork 13: 28.

on Louisiana Indian mortuary mats 13: 21.

on Louisiana Indian sieves 13: 17.

on Mobilian wattled biers 13: 14.

on Natchez dwellings 13: 14.

on pottery making in Lower Mississippi Valley 20: 57, 102.

on preparation of clays for pottery making 20: 46.

on rafts of poles and canes 13: 15.

Butler, Captain—, mention of 42: 813.

Butler, Rev. D. S.

arrest and imprisonment of 19: 119.

Cherokee missionary 19: 105.

on Jackson's attitude toward Cherokee 19: 117.

Butler, Prof. James D.

on Italian signs 1: 408.

on wild rice in vicinity of Madison,
Wis. 19: 1036.

Butler, John, Cherokee ball captain
19: 406.**Butler, P. M.**

Cherokee agent 5: 297.

commissioner to examine Cherokee
feuds 5: 301.

Butler, S. W., myth told by 19: 450.**Butler, Thomas**, commissioner for
Cherokee treaty 5: 174.**Butler County, Ohio**

archeology of 5: 13.

collections of pottery from 20: 184.

Butte des Morts, treaty of 14: 27,
46; 18: 716 *sqq.***Buttercup**, use of 45: 473, 505, 512.**Butterfield, H.**, on Shoshone cairn
burial 1: 143.**Butterfield Stage Line**, establish-
ment of 26: 32.**Butterfly**

as a symbol 39: 50.

basketry design 38: § 445.

depicted on Walpi Snake altar 19:
983.

design on Pueblo pottery, description
of 22, i: 81, 148.

disease caused by 26: 265.

figures on Sikyatki pottery 17: 678
sqq., 698.

flowers associated with 30: 64.

in Pima song 26: 300, 310, 316.

legends of 30: 130.

or moth, Pueblo symbol for 22, i:
105.

sacred, power of 47: 871 *sq.*

silver chest ornament 38: § 537.

string figure of 38: § 657.

symbol on Hopi pottery 17: 687.

Butterfly Bird, in Pima song 26: 295.**Butterfly Clan.** *See* Buli Clan.**Butterfly Dance.** *See* Bilitikibi.**Butterfly Designs**

mention of 41: 257 *sq.*, 273, 342.

See also Bird Designs.

Butterfly Maids. *See* Buli manas.**Butterfly Symbols**, appearance of, in
Hopi pictures 21: 90, 92, 106,
119.**Butterfly Weed** 33: 109.**Butternut**, use of 44: 290, 369.**Button, Joel**, inclosure on farm of, in
New York 12: 511.**Button**, hand game 24: 309.**Button Snakeroot**

a war physic 42: 584.

medicinal use of 42: 655 *sq.*, 668.

use of 44: 265.

Button Willow, medicinal use of
42: 661.**Buttons**

brass, recovered from mound 44:
166.

for belts, Eskimo 18: 59, 63.

perforated stone used as 13: 115.

Buttress, formerly of Halona, existing
in Zuñi 8: 88, 89.**Buttress**

in Casa Blanca 16: 110, 162.

in cliff ruins 16: 119, 125, 129.

in kivas 16: 177.

Buttress Projections

chimney supported by 8: 172, 173.

girders supported by 8: 144.

support of passageway roofs by 8:
181.

Tusayan rooms 8: 109, 110.

Zuñi 8: 111.

Buttrick, —.

on Cherokee myths 19: 430, 436
sq., 445, 470, 476, 478, 483.

on Cherokee sacred fire 19: 502.

on custom of removing deer's ham-
strings 19: 447.

Butts and Tips in Navaho house
building 17: 489, 490.**Buxton, L. H. D.** 46: 269.**Buzz**

mention of 24: 751-757.

played by the 24:

Arapaho 751.

Crows. 756.

Dakota, Oglala 756.

Dakota, Teton 757.

Eskimo, Central 751.

Eskimo, Ita 752 *sq.*

Eskimo, Western 753 *sqq.*

Gros Ventres 751.

Hopi 755 *sq.*

Maricopa 757.

Mono 756.

Plains tribes 751

Zuñi 757.

Buzzard

- disease caused by 26: 263 sq.
 in Menomini mythology 14: 165, 202
 in Pima legend 28: 49, 50, 52.
 myths concerning 19: 239, 266, 284, 293, 430, 431, 456.
 range of the 2: 142.
 representation of, Middle Mississippi Valley pottery 20: 95.

Buzzard Clan

- existence of 42: 118 sq.
 native names for 42: 116.

Buzzard dance

- description of 42: 534.
 mention of 42: 523.

Buzzard Decorah's Village, location of 37: 51.**Buzzard Disease**, symptoms of 42: 644.**Buzzard Feather**, insignia of doctor 42: 618.**"Buzzard" Men and Women**, work of 42: 701.**Buzzard's Creek**, Indian remains on 42: 810.**Buzzer Toy** 38: § 619.**Byhan**, *Rev. Gottlieb*, Cherokee missionary 19: 84.**Byington**, *Rev. Cyrus*

- author of Choctaw Dictionary 30: 19; 34: 26.
 linguistic work of 29: 23.
 list of months recorded by 42: 402.

Byrd, William

- acknowledgment to 11: 501.
 quoted on Indian beliefs 11: 519.

Byrsonima Crassifolia

- for fevers and dysentery 38: § 927.
 for snake-bite 38: § 929.

Byrsonima Spicata. *See Hitchia.***C****Ca**, symbol of Landa 16: 242.**Caapim Drink** 38: § 265.**Cab**

- definition of 16: 255.
 symbol, application of 16: 205.

Caban symbol discussed 16: 205, 253, 254.**Cabana**, suspended wattle bed of the Island Carib 38: § 458.**"Cabbage" Tops** of certain palms, eaten 38: § 247.**Cabecar**

- number names of 19: 882.
 numbers of 19: 931.

Cabello, Doctor—, acknowledgments to 25: 83.**Cabeza de Vaca, Alvar Nuñez**

- arrival of, in New Spain 14: 345, 474.

- description of bison by 14: 543, 548.

- efforts to verify reports of 14: 354.

- experience of, as trader 42: 738 sq.

- extract from narrative of 41: 609 sq.

- in Corazones Valley 14: 484, 585.

- Indian traditions regarding 14: 589

- journey of 14: LVI.

- mention of 42: 829.

- mention of Atayos by 7: 46.

- narrative of Narvaez's expedition by 14: 349.

- narrative of Narvaez's expedition by, translated by Ternaux 14: 349.

- observations on Seri by 17: 51.

- on signs of the Timucuas 1: 324

- on trade in shells 2: 194.

- royal treasurer on Narvaez's expedition 14: 347.

- tells Alvarado of his discoveries 14: 352.

- traces of, found by Coronado 14: 505, 506.

- uses gourds of Indian medicine-men 14: 360.

Cabeza del Aquila, a Pima chief 26: 21.**Cabezas, Don Juan**, specimen presented to National Museum by 34: 229.**Cabazon's Reserve**, establishment of 18: 886.**Cabima**. *See Copaifera.***Cabin Creek**, trail to 42: 788.**Cabins**

- arrangement of, in town square 42: 311 sq.

- painting of 42: 312.

- See also Beds.*

Ca'bitci, a Chickasaw informant 44: 191.**Cabnix**, definition of 16: 257.**Caborca**, reference to 28: 218.**Caborka**, Tepoka Indian habitations near, traces of 22, i: XI.

- Cabot, John and Sebastian**, discoveries by 18: 528.
- Cabot, Sebastian**
map of, cited 14: 403.
visit of, to America 19: 191.
- Cabraken**, a Kiche god 25: 130.
- Cabrera, Manuel**
on Seri in Pueblo Seri 17: 88.
on title of Tzental manuscript 16: 222.
- Cabrillo Expedition**, place names recorded by 44: 35.
- Cabrillo, João**, island of Santa Rosa visited by 2: 260.
- Cabrillo, Juan Roderiguez**
mention of 42: 8.
voyage of, along the Californian coast 14: 411.
- Cacao**
cultivation of 38: § 246.
symbol in the Maya codices 16: 234, 238.
timber for fire sticks 38: § 1.
- Cacaori**, fish weir 38: § 203.
- Cachama Fish**, knocked over with cudgels 38: § 198.
- Cache**
description of 15: 78.
explanation of 15: 62.
for wild rice 19: 1071 sq.
found near Baltimore 15: 76.
of argillite blades 15: 90, 140.
of the Omaha 41: 518.
relation of, to quarry 15: 79.
See also Caches.
- Cache Frames**
for storage of property by Point Barrow Eskimo 9: 75 sq.
sleds used for 9: 82.
- Cache Pits**
description of 41: 503 sq.
use of 41: 555.
- Cachena**, application of the term 15: 251.
- Caches**
description of 27: 98 sq., 275.
mention of 12: 32, 540.
of spades, in Kentucky 13: 134.
of turtlebacks, in Vermont 13: 137.
use of 45: 63, 229.
valuables buried in 34: 61 sq.
See also Cache.
- Cachinas**, references to 29: 54, 56, 356.
- Cachoeira do Riberão, Brazil**, petroglyphs on 10: 150 sq.
- Cachunilla**, population of 26: 21.
- Cacimar**, a Carib ruler 25: 40.
- Cacimbás**, of the Isle of Pines 34: 256 sq.
- Cacique**
altar of 47: 41 sq.
death and burial of a 25: 69, 70, 71.
description of the office of a 25: 33 sqq.
dress of a 25: 34 sq.
functions of 47: 41.
impressions concerning 47: 42.
installation of 47: 43.
marriage customs of 25: 48.
member of Antelope clan 47: 38.
mention of 38: § 740.
officers appointed by 47: 60.
ornaments of a 25: 146.
part taken by, at initiation 47: 74.
succession of 47: 43.
visit to, description of 47: 43.
See also Chief.
- Cactaceae** 33: 104.
- Cacti**
of Seriland 17: 33 sqq.
Seri harvest of 17: 206* sqq.
See also Cactus; Peyote; Prickly Pear.
- Cactus**
appearance of, in pictures of Hopi kateinas 21: 106, 112, 113.
bearers, meeting the 23: 571.
bearers, procession of 23: 572.
belief concerning 47: 218.
dance, preparation for 23: 573 sq.
food value of the 23: XIII, XXX.
giant, in Pima legend 28: 44, 52, 61.
in Pima song 26: 294, 325.
stems of the, as materials for houses 23: XXIX.
symbolism of 23: 570.
used for food 45: 484.
See also Cacti.
- Cactus, Cane**, used as food 30: 69.
- Cactus Clan.** *See Ucü.*
- Cactus Fraternity** (*'ko'shi'kwe*)
medical practice of 30: 52, 62 sq.
of the Zuñi 23: 569-573.
squash used by 30: 46.
- Cactus Katecina.** *See Yuña.*
- Cactus Maid**, association of, with Cactus katecina 21: 113.

Cactus Society

- prayers of 47: 830-834.
- special function of 47: 528.

Cactus Spines

- how extracted 30: 62.
- used for poisoning arrows 14: 285.

Cactus Tongs, appearance of, in pictures of Yufña mana 21: 113.**Caddo**

- account of the 14: 1092.
- Batthey among 17: 193.
- clan system of the 14: 956.
- customs of the 42: 700, 701, 702, 703, 705, 706, 707.
- delegation of, to Wovoka 14: 901, 903.
- descent among the 42: 695.
- dwellings of the 42: 687, 688.
- feather cloaks worn by the 42: 682.
- games of the 24:
 - dice games 98
 - hoop and pole 462 sq.
- Ghost dance among the 14: 653, 786, 802, 895, 898, 902, 905, 926, 927.
- glossary of the 14: 1102.
- hair dressing of the 42: 684.
- in peace council of 1872 17: 190.
- in Texas, union of, with Cherokee 19: 143.
- Kiowa hostility to 17: 165.
- linguistic relations of 42: 678.
- land cessions and reservations 18: 754.
- mound built by 44: 405.
- name of Ghost dance 14: 791.
- name of the Arapaho 14: 953.
- name of the Cheyenne 14: 1023.
- name of the Comanche 14: 1043.
- name of the Kiowa Apache 14: 1081.
- name of the Sioux 14: 1057.
- name of the Wichita 14: 1095.
- Omaha name for 27: 102.
- position of the 42: 118.
- reference to 27: 112.
- reference to property of 42: 690.
- refusal of, to accept Äpiatan's report 14: 914.
- songs of the 14: 1096.
- study of the 15: xxxiii, xxxiv, xxxvii, xli, lxxx.
- synonymy of the 14: 1092.

Caddo—Continued

- trade of, in Osage orange wood 42: 692.
- tribal sign of the 14: 1092.
- wanderings of 19: 146.
- Wa'wa ceremony among 27: 74.
- See also* Caddoan; etc.
- Caddo Culture Area**, features of 42: 717.
- Caddo Jake** at Fort Gibson council in 1888 17: 221.
- Caddoan**. *See* Southern Caddoan.
- Caddoan and Adaizan Languages** compared 7: 46.
- Caddoan and Siouan** early contact 15: 187.
- Caddoan Family**
 - connection of, with Lower Mississippi Valley pottery 20: 102.
 - connection of, with Middle Mississippi Valley pottery 20: 81.
 - connection of, with Northwestern pottery 20: 187.
 - mention of 7: 58-62.
- Caddoan Stock**
 - game of hoop and pole 24: 421.
 - tribes composing the 14: 1092.
 - tribes of the 24:
 - Arikara 97, 461, 624, 657, 758.
 - Caddo 98, 462 sq.
 - Pawnee 99, 274, 386, 409, 463, 625, 658, 730.
 - Wichita 102, 276-281, 386, 470, 625, 658, 730, 731, 804.
 - See also* Caddo; etc.
- Caddoan Tribes**, history of the 28: 17.
- Cadillac**, on the Menomini 19: 1107.
- Cadodaquio**, a Caddo synonym 14: 1092.
- Cadrillo del Mundo**, a Pima chief 26: 21.
- Caduc, P.**, reservation for 18: 792.
- Caesalpiniaceae** 33: 89.
- Cages**
 - for eagles, at Zuñi 8: 214.
 - for fish 38: § 204 sq.
 - method of manufacturing 38: § 421.
 - of wattle work 13: 13.
- Cagh-ben**, meaning of 16: 245.
- Cahiaguas** (Cahiguas; Caiawas), Kiowa synonyms 17: 148.
- Cahinnio**, custom of 42: 703.

- Cahita**
 methods of counting 19: 879.
 numbers above ten 19: 908.
 number names of 19: 867, 922, 928.
- Cahogh** day symbol discussed 16: 259.
- Cahokia**, land cessions and reservations 18: 664, 692, 742.
- Cahokia Mound**
 efforts to preserve 41: 26.
 examination of 13: xxix.
- Cahokia Mound Group**, airplane pictures of 41: 67.
- Cahuillo**
 formation of number names in 19: 879.
 number names of 19: 868, 876.
 numbers of 19: 929.
- Cahwia**
 land cessions and reservations 18: 782.
See also **Kahwea; Mission Indians; Tule River Reserve.**
- Caiaastacana**
 appearance of, in Pamūrtil 21: 27.
 derivation of 21: 125.
 description of picture of 21: 60.
 difference in designs of, and those of Hututu 21: 61.
- Caicara, Venezuela**, sculptured rock near 10: 148.
- Caigua**, a Kiowa synonym 17: 148, 156.
- Caihuas (Caiwas)** a Kiowa synonym 17: 148.
- Cailloux**, a Cayuse synonym 14: 1092.
- Cairn Burial**
 of the Acaxers and Yaquis 1: 143.
 of the Balearic Islanders 1: 143.
 of the Blackfeet 1: 143.
 of the Eskimo 1: 143.
 of the Kiowas and Comanches 1: 142, 148.
 of the Pi Utes 1: 143.
 of the Shoshones 1: 143.
 reasons for 1: 143.
- Cairns**
 in the Cherokee country 19: 20 sq., 491.
 mention of 12: 31; 38: § 779.
- Cajon**, buildings of 23: xxx.
- Cajuenche**
 language of the 26: 20.
 reference to the 28: 209.
- Cakchikel or Cakchiquel**
 language, manuscript in 28: 12.
 method of forming numbers above ten 19: 899 sqq.
 number names of 19: 862, 863.
- Cakchiquel Calendar**
 discussion of 22, i: 275-282.
 names of days of, table showing 22, i: 278.
 year of, number of days in 22, i: 279-282.
- Cakes**
 cassava, of Guiana Indians 38: § 236.
 sacred 9: 518, 541, 547.
- Cakwa Cipikne.** *See* **Cipikne.**
- Cakwabaiyaki**, site of old Pima pueblo. 19: 601.
- Cakwabaiyaki Ruin.** *See* **Chevron.**
- Cakwahonaû**, description of 21: 95.
- Cakwaleñya**, religious society at Walpi, source of 19: 623.
- Cakwaleñya Altar**
 at Mishongnovi, description of 19: 991 sq.
 same as Blue Flute Altar 19: 989.
- Cakwaleñya Society**, personnel of 19: 996.
- Calabash**
 cups, vessels of 38: § 384.
 flageolet of 38: § 565.
 fruit for bait 38: § 192.
 organ 38: § 571.
 valuables hidden in 34: 62.
See also **Gourds.**
- Caladium**
 binas made from 30: 281 sq., 285.
 spirits associated with 30: 117, 228, 232.
 talismans from 30: 288.
- Caladium Arborescens**
 bait for fish 38: § 188, 192.
 bait for manati 38: § 169.
 employed in eye diseases 38: § 927.
 employed in sting-ray wounds 38: § 929.
- Calako (Ca'lako)**
 account of 47: 969-975.
 ceremonies, description of 47: 702-705.
 ceremonies, prayers and chants of 47: 706-781.
 identity of, with Macibol 21: 87.
 in Hopi mythology 17: 700.
 kateina, origin of 17: 666.

Calako (Ca'lako)—Continued

- masks of 21: 28.
- masks of, ceremony belonging to 47: 970-973.
- masks of, identity of, with those of the Sun 21: 28.
- masks of, similarity of ancient masks to 21: 28, 109, 110.
- masks of, use of, in Pamürti festival 21: 65.
- personation of, in Palülüköñti festival 21: 49, 50.
- sun gods presented by 21: 110.

Calako Horns, connection of, with those of the bison 21: 110.

Calako Taka, masks of, reference to 19: 612.

Calaloo

- berries used as bait 38: § 192.
- leaves of, eaten by natives 38: § 234.

Calamus

- mention of 33: 69.
- use of 44: 286, 320.
- See also* **Acorus calamus**.

Calanapo, land cessions and reservations 18: 784.

Calandra Palmarum, grub of the beetle eaten 38: § 224.

Calapooia, land cessions and reservations 18: 796 *sqq.*, 800, 814.

Calapooia Creek, treaty of 18: 796, 798.

Calapooya

- hand game of the 24: 283 *sq.*
- population of the 7: 82.

Calathea, use of, in manufacture of cassava squeezer 38: § 345.

Calaveras Cave, mention of 1: 128, 129.

Calchaqui of Argentina, idol of 25: 141.

Caldron. *See* **Pots**.

Caldwell County, N. C.

- mingling of wares in mounds of 20: 137, 147.
- mounds in 5: 61-71.
- pottery from 20: 144.
- pottery from, resembling that of Yadkin Valley 20: 149.

Caleebec Creek, battle of 19: 93.

Calemba, name for loin cloth 38: § 548, 550.

Calendar

ceremonial relating to, description of 23: 124 *sqq.*

determination of 29: 47.

Maori, day deities in 16: 265.

Maya 3: 10, 14; 16: xcv, xcvi.

mention of 4: 127.

Mexican 3: 32 *sqq.*

Mexican and Mayan, publication of papers on 23: xxxviii.

of Snake ceremonies 16: 275.

of the Creeks 42: 400-403.

of the Dakota Nation 4: 89.

of the Eskimo 11: 202.

of the Hopi, ceremonial 21: 18-24.

of the Kiowa, pictography of 14: 906, 907, 909.

of the Pima 26: 35-38.

of the Tlingit 26: 425 *sqq.*

of the Winnebago 37: 124 *sq.*

of the Zuñi, description of 23: 108.

round in Mayan chronology, definition of 22, i: 206.

terms used in 27: 111.

wheel, from book of Chilan Balan 3: 53, 60.

wheel, from book of Duran 3: 45.

See also **Calendars**; **Ceremonial Calendar**.

Calendar History

of the Kiowa Indians 17: LXIII *sqq.*, LXVII-LXX, 129.

of the Pima Indians 26: 38-66.

Calendar Rounds

Mayan 19: 693-819.

Mayan, working tables of 19: 818.

object of study of 19: 700 *sq.*

systems of, of different Central American tribes shown to be identical 19: 806-812.

"**Calendar Round**" Symbol, discovery concerning, by Goodman 19: 712.

Calendar Sticks of the Pima 26: 35 *sqq.*, 104 *sq.*

Calendar System

characterization of paper on Mayan, by Cyrus Thomas 22, i: XLIII.

examination of 15: XIII.

Mayan 15: xx.

Mayan, memoirs on 19: xli *sq.*; 22, i: 197-305.

Mayan, study of 15: XLVII.

tabular view of 6: 270-274.

Calendar Tables of Mayan chronological systems **22, i:** 304 sq.

Calendars

aboriginal American **17:** 141.
aboriginal, historical value of **17:** 146.

Kiowa, publication of paper on **19:** xxvi, xxix.

Kiowa, study of **17:** xlix-li.
pictographic symbols of the Sioux **2:** 279.

probable use of shell disks as **2:** 268, 273, 278.

used by ancient Mexicans **2:** 279.

used by modern tribes **2:** 279.

See also **Calendar.**

Calendric Inscriptions **15:** 169.

Calendric Terms in Mayan chronology, definition of **22, i:** 204, 234.

Calentura, fever **38:** § 918.

Calf (*of the leg*), in western Eskimo **46:** 246, 247, 250.

Calhoun, —

on Seneca town **19:** 485.

reply to Cherokee memorial by **19:** 115.

reply to Georgia's protest by **19:** 116.

Calhoun, James S.

on Isleta **29:** 529.

on Jemez **29:** 402.

on Picuris **29:** 193.

on Pogueate **29:** 539.

on Pojoaque **29:** 334.

on San Ildefonso **29:** 305.

on Sandia **29:** 527.

on Santo Domingo **29:** 449.

on Sia **29:** 518.

Calhoun, John C.

mention of letters to **42:** 308, 315, 329.

on Cherokee civilization **5:** 373, 374.

report by, cited on attack of soldiers and Dakotas on Arikaras **4:** 111, 112.

treats with Cherokee **5:** 219.

Calibites, a South American tribe **25:** 219.

Caliche

definition of **26:** 87.

description of **28:** 82.

Calico

Eskimo clothing made of **18:** 32.

Calico—Continued

Eskimo tobacco implements made of **18:** 285.

piece of, buried deep **46:** 65.

California

aboriginal game laws in **7:** 42.

American occupation of **26:** 30 sq.

archeological section of **12:** 523.

arrow chipping in **13:** 138, 140, 142.

arrowpoints from **13:** 143.

claim symbols **4:** 159.

collections from **20:** xxiv.

column in Civil War **26:** 48, 50, 90.

emigration to **26:** 18 sq., 31 sq.

exploration of Gulf of **14:** 369, 514.

explorations in **11:** xxix; **27:** 11.

field work in **20:** ix, x; **21:** ix; **22, i:** xxxix; **23:** xxxv.

Ferre's exploration of the west coast of **14:** 412.

gesture signs in petroglyphs of **10:** 637 sqq.

grass weavers in **4:** 78.

linguistic diversity among Indians of **20:** xvii sqq.

linguistic material collected in **23:** xxxv.

linguistic work in **10:** xiv sq., xvi sq.

linguistics of **26:** xxvi.

military post in **17:** 382.

milling apparatus used by natives of **20:** xv.

mnemonic device in **4:** 80, 81.

natives of peninsula of **14:** 514.

office work on material from **20:** ix, xiv, xvi sq.

peninsula of, mistaken for an island **14:** 404, 486.

petroglyphs in **10:** 52-72.

petrographs in **4:** 30-33.

pictographic land marks in **4:** 61.

pictographs in **4:** 34, 59, 156 sq., 182, 195, 198, 229, 234, 245.

pottery from **4:** 447.

researches in **30:** 11, 15.

steatite burial urn from **1:** 138.

steatite quarries in **15:** 107.

stone objects from, purchase of **22, i:** xxxix.

study of Indian tribes of **14:** xxxviii; **15:** lxxiii.

tattooing of tribes of **4:** 64.

California—Continued

- tribes of 26: 144, 164.
- war challenge of tribes of 4: 88.
- See also* **California Indians**; etc.

California Indians

- bulletin on 42: 16.
- coloring matter used by 10: 221
- Datura* used by 30: 47.
- emblems of royalty of 10: 633.
- Euphorbia* used by 30: 51.
- face painting by 10: 619.
- Handbook of, by A. L. Kroeber, mention of 38: p. 17.
- medicine stones used by 13: 111.
- method of keeping accounts of 10: 262 sq.
- mode of challenge of 10: 362.
- mode of collecting debts 10: 374.
- pictographs by, on feather blankets 10: 207.
- population of 29: 13.
- preparation of manuscript on 36: 27 sq.
- stone chipping by 13: 141, 173.
- stone mortar making by 13: 96.
- tattooing of 10: 406.
- Tewa name for 29: 573.
- use of bolas by 13: 95.
- use of perforated stones by 13: 98.
- use of smoking tubes by 13: 127.

California Paiute, numbers of 19: 923-929.**California Tribes**

- hand game of the 24: 267.
- influence of, in basketry 41: 375 sq., 384.
- reference to 28: 102.
- research work among 25: x, xvii.
- social system of, based on language 21: xxii.

Calispel

- a synonym of Pend d'Oreilles 14: 731.
- population of 7: 105.

Calking, materials used for, in British Columbia 41: 147.**Calkins, Hiram**, on Ojibwa jugglery 14: 146.**Call to Arms** 38: § 758, 759.**Calli**

- day symbol discussed 16: 221.
- signification of 16: 221.

Callicarpa Americana, medicinal use of 42: 663.**Callirrhoe Involucrata** 33: 103.**Calloway, Capt. William P.**, expedition of 26: 48.**Calls**

- for birds 38: § 180.
- for decoying seals 9: 253 sq.

Calochortus macrocarpus 45: 481, 483.**Caltha Palustris**

- medicinal constituents of 44: 304.
- medicinal properties of 44: 300.
- use of 44: 288, 340, 348, 354, 360.

Caltha Rotundifolia 45: 467.**Caluça Province**, localization of 42: 39.**Caluça Tribe**, confused with Caluça province 42: 39.**Calumet**

- carried in war parties 42: 435.
- ceremonial smoking of 42: 535 sq., 537.
- ceremonial use of, among Algonkian tribes 7: 153.
- ceremonial use of, by tribes of Upper Missouri 46: 446 sq.
- deposited in sanctuary 42: 184.
- precedence in smoking 42: 537, 542.
- See also* **Pipe**.

Calumet Dance.

- a peace ceremonial 42: 703.
- mention of 3: 376-382.

Calumet Pipe

- mention of 3: 277 sqq.; 4: 104.
- reference to 27: 207.

Calusa

- a lost language 42: 678.
- customs of 42: 702.
- origin, sand burial mounds of 48: 4.

Calvatia Craniformis, use of 44: 288, 356.**Calvatia Cyathaformis** 33: 62.**Calvert, Cecil**. *See* **Baltimore, Lord**.**Calvert, Leonard**, purchase of land by 18: 569.**Calverton Manor**, establishment of 18: 573.**Calypso**, use of 45: 506.**Camas** 35: 893.**Camas Prairie**, a famous digging ground 45: 341.**Camas Roots**

- grounds for digging 45: 341.
- preparation of, for food 45: 92 sq.
- use of 45: 481.

- Camassia Esculenta**, used medicinally 42: 667.
- Cama-Zo'tz** in Central American mythology 16: 225.
- Cambiaso, Señor** —, on certain *zemi* 25: 38.
- Cambium Layer of Trees**, used as food 45: 91, 483.
- Camel Back Mountain** in Pima mythology 26: 381.
- Camelelpoma**
land cessions and reservations 18: 816.
See also **Pomo**.
- Cameron, —**
attempt to seize 19: 48.
encounter between Williamson's force and 19: 50.
interception of letter to 19: 47.
raid led by 19: 48.
- Cameron, J.** 46: 236, 237, 313.
- Cameron, V. Lovett**, cited on African customs 9: 494, 514, 515.
- Camey** day symbol discussed 16: 231.
- Camino Real, The**
history of Texas section 42: 831 *sqq.*
mention of 42: 828-833.
route of 42: 823, 830 *sq.*
various names of 42: 830.
- Camo**, a dance of the Otomac 38: § 594.
- Camp**
Indian life in 46: 508 *sqq.*
organization of the 46: 440, 446.
signals for 1: 532, 539.
See also **Camps**; etc.
- Camp Apache**, establishment of reserve at 18: 854.
- Camp Circle**
of the Coeur d'Alène 45: 155.
of the Kiowa 17: 228.
- Camp Fire Girls**
publications sent to 47: 12.
requests for information from the 34: 28.
- Camp Followers** 38: § 761.
- Camp Grant**
discontinuance of reserve at 18: 860.
establishment of reserve at 18: 854.
- Camp Henry Military Reserve**, addition to Malheur Reserve 18: 902.
- Camp Holmes**
location of 17: 171.
treaty at, in 1835 17: 169.
- Camp Hualapai**, references to 28: 186, 206, 211.
- Camp Moultrie**
cession of reserves made by treaty of 18: 748.
treaty of 18: 704.
- Camp Sites**, occurrence of pottery on 20: 23.
- Camp Stevens**, treaties of 18: 802 *sqq.*
- Camp Supply**, establishment of 17: 187.
- Camp Tippecanoe**, treaty of 18: 738.
- Camp Verde**
discontinuance of reserve at 18: 880.
established and abandoned 13: 185:
establishment of reserve at 18: 854.
ruins in the vicinity of 17: 534.
- Camp Wright Military Reserve**, addition to Round Valley Reserve of 18: 886.
- Campanula Rotundifolia**, use of 44: 288, 362.
- Campanulaceae** 33: 129.
- Campbell, Col. Arthur**
defeat of Ferguson by 19: 57.
expedition under, in 1780-1781 19: 57 *sq.*
on British agents and Tories at Chickamauga 19: 55.
on Chickamauga band 19: 54.
On Nancy Ward 19: 204.
On Sevier's expedition of 1781 19: 59.
- Campbell, Charles**, quoted on Virginia's Indian policy 18: 567.
- Campbell, David**, surveyor of Cherokee boundary line 5: 165.
- Campbell, Donald**, at Detroit in 1761 14: 17.
- Campbell, Duncan G**
commissioner to extinguish Indian title in Georgia 5: 233.
extracts from letters of 42: 308 *sq.*, 315, 329.
- Campbell, Frank**, account of Tävibo by 14: 702.

- Campbell, George**, cliff-houses discovered by 17: 533.
- Campbell, J.**, translation of Davenport tablets by 12: 635.
- Campbell, John**, on burial songs 1: 195.
- Campbell, John P.**, on wild rice in Georgia 19: 1029.
- Campbell, William**, line between Virginia and Cherokee lands surveyed by 5: 156.
- Campbell's Creek, W. Va.**, pictograph on 4: 22.
- Camping**
mode of, among the Dakota 15: 215.
of the prairie tribes 14: 1073.
- Camping Circle**
of the Arapaho 14: 956.
of the Cheyenne 14: 1026.
of the Kansa 15: 230.
of the Kiowa 14: 1080.
of the Oglala 15: 221.
of the Omaha 15: 226.
of the Osage 15: 233.
of the Ponka 15: 228.
of the Sioux 14: 1058.
of the Sisseton 15: 217.
of the Sisseton and Wahpeton 15: 216.
of the Sitca^{pxu} 15: 219.
- Camping Day**, observance of 42: 554.
- Campion**, in Cherokee lore 19: 426.
- Campo, Andreas do**
Portuguese companion of Padilla 14: 400.
remains in Quivira 14: 529, 535.
return of, to New Spain 14: 401, 544.
- Camps**
about busk ground 42: 190.
ceremonial arrangement of 36: 69.
native, Yukon 46: 40, 46, 53, 130.
of the Eskimo 18: 260-263.
permanent and temporary 31: 408.
summer, in Alaska 46: 182.
See also **Camp**; etc.
- Camudi**
babracote and, legend of 30: 261.
beliefs concerning 30: 370.
burning of, to cause rain 30: 267.
Caribs descended from 30: 143 *sq.*
identification of 30: 241 *sq.*
- Camudi**—Continued
legends concerning 30: 239, 243, 250.
star named for 30: 261 *sq.*
stench of 30: 370.
- Camudu**, *boa constrictor*, in basketry pattern 38: § 444.
- Camuiro**, an edible plant 38: § 247.
- Can day** symbol discussed 16: 229.
- Caña Brava**. *See* **Arrow Poison**.
- Canada**
explorations in 11: xli.
field work in 22, i: ix, xiii.
Iroquoian ware of 20: 21, 169 *sqq.*
linguistic work in 10: xvii.
Orilla, fish found near 12: 549.
petroglyphs in 10: 37-45.
researches in 11: xxx.
resemblance of Northwestern pottery to that of 20: 194.
wild rice in 19: 1037.
- Cañada de las Uvas**, expedition to 43: 9.
- Canada Mint**, use of 45: 502.
- Canada National Museum** 46: 255.
- Canadian Arctic Expedition** 46: 236.
- Canadian Indians**, quill pictographs of 10: 207.
- Canadian Institute**
acknowledgments to 20: 16.
collection of Iroquoian pottery by 20: 170.
- Canadian River**
crossed by Coronado 14: 397, 504.
journey of Alvarado along 14: 391, 576.
Upper towns on 42: 333.
- Canaigre**
mention of 33: 77.
uses of 26: 77, 80.
- Canal Systems, Prehistoric**, survey of 47: 10.
- Canals**
for irrigation, used by Pueblo Indians, remains of 22, i: 178.
in Pima mythology 26: 215.
mention of 12: 32, 593.
See also **Irrigation**.
- Canandaigua**. *See* **Konondaigua**.
- Canary Islands**
petroglyphs in 10: 183 *sqq.*

Canary Islands—Continued

pietographs of, compared with those of California 10: 58, 59.

Canasagua, De Soto's visit to 19: 26, 197.

Canawagas, reservation of land at 18: 658.

Canby, *General* —, death of 17: 196.

Cancer Root, used in ceremonies 30: 61.

Cancy, a Kiowa synonym 17: 245.

Candelabrum Tree 38: § 287.

Candelaria

clan symbol of 17: 165*.

face painting by 17: 166*.

portrait of 17: 164*.

Candelario, J. S., reference to 29: 283.

Candle-Fly, story of 30: 277.

Candles used in Shaker ceremony 14: 755, 761, 762.

Candy, John, printer of the Cherokee "Phoenix" 19: 111.

Cane

Indian use of 19: 490.

tubes used for carrying water 4: 482.

use of 42: 688, 689, 690, 692.

See also Carrizal; Canes.

Cane-blowing People

a Blue Corn division 47: 712.

officials of 47: 272.

Cane Cactus, use of 30: 69, 95.

Cane Cigarettes. *See Cigarettes.*

Cane Clan

affiliations of the 42: 122.

native names for 42: 116.

Cane Game

of Pima legend 28: 52.

of the Hopi 24: 164 *sq.*

Cane Matting

specimens of 41: 571.

See also Matting, Cane.

Cane Sticks, for cord making 38: § 53, 54.

Canel day symbol discussed 16: 235.

Canes

as fetishes 47: 279.

as symbols of office 47: 60, 251 *sq.*

gaming, from Cheylon, cuts showing 22, i: 101.

possible use of sections of, as pipes 20: 172.

Canes—Continued

use of, in house building 20: 37.

used for fish spears 13: 142.

used for matting 13: 18.

Zuñi dice game 24: 210.

See also Cane.

Canes Sepulchrales 1: 104.

Cañete, trephined crania from 16: 13, 14.

Caney Fork, fortified town on 42: 836.

Caneys, prehistoric Cuban mounds 25: 82.

Canfield, W. H.

intaglio mounds discovered by 37: 90.

plat by, of Man Mound 37: 102.

Cangleska Luta, material made by 24: 434.

Canine Fossae, Eskimo 46: 264.

Canis Azare, indigenous dog of British Guiana 38: § 717.

Canker Lettuce, medicinal use of 43: 264.

Cankuké Di

Tlingit clan, history of 26: 410.

Tinglit clan, phratry and tribe of 26: 398, 399.

Cannibal

attendants of 35: 856, 861.

ceremonial of 35: 1167.

dances of 35: 1240.

excitement of 35: 1070.

head mask 35: 1174.

mask of 35: 1148.

origin of 31: 353 *sq.*

pacification of 35: 1071, 1073.

Rivers Inlet, ceremony of 35: 1176.

story of 31: 350-353.

woman becomes, by tasting her own blood 32: 464.

See also Cannibalism; etc.

Cannibal and Shaman, a ceremonial 35: 739.

Cannibal - at - North - End - of - World 35: 856.

Cannibal Ceremonial 35: 741, 742.

Cannibal Cry 35: 739, 740.

Cannibal Cult, of the Plains Ojibwa 43: 193.

Cannibal Dance

introduction of, among the Nāk!wax'-da'x^u 35: 1011.

Cannibal Dance—Continued

mention of 35: 848, 850, 856, 860, 895, 909, 917, 929, 935, 1000, 1001, 1004, 1005, 1017, 1018, 1035, 1374.

put away permanently 35: 862.

Cannibal Dancer

and companions 35: 1237.

attendants of 35: 848.

eats feast 35: 855.

mention of 35: 275, 753, 959, 982, 1007, 1081, 1084.

pacification of 35: 937.

performance of 35: 1008, 1010.

purification of 35: 1009.

slave killed for 35: 1017.

Cannibal Masks 35: 1000.**Cannibal Pole 35: 856.****Cannibal Spirit**

house of 35: 1224, 1233.

killing of 35: 1230-1233.

mention of 35: 1209.

Cannibal Tamer 35: 1081, 1084.**Cannibal Whistle 35: 1070.****Cannibalism**

among the Carib Indians 30: 273.

envoys eaten, Winnebago 37: 54.

evidence of, in Alabama 44: 442, 444, 445.

in Menomini myth 14: 168, 194, 229.

in time of famine, Assiniboin 46: 523, 584.

indications of, among Winnebago 37: 218, 219.

myths concerning 19: 247, 349 sq., 483, 501.

object of 30: 149-158.

of the American Indians 3: 272.

of the Eskimo 11: 187.

of the Guiana Indians 38: § 768-773.

of the Porto Rican natives 25: 50, 72.

of the Seri 17: 56, 117, 119.

of the Tonkawa 17: 199.

practice of, by Southeastern tribes 42: 705, 712 sq.

spirits guilty of 30: 177-181.

See also Cannibal; etc.; Devouring the Dead.

Canoe

as a marriage gift 35: 777.

birch-bark, collection of 15: xxvi.

Canoe—Continued

birch-bark, used in wild rice harvest 19: 1056-1070.

bottom boards of 35: 96.

care of 35: 94-97.

controlled by song 32: 146.

creation of 32: 568.

diminutive, swallowing of 32: 569.

dug out, collection of 15: xxxi.

for cassava 38: § 344.

having magic power 32: 247, 407.

landing of 35: 193.

loading of 35: 192.

magically enlarging, for use 32: 362.

making of 13: 72; 32: 163.

of the Guiana Indians 38: § 792-797.

princess placed in the middle of 31: 407.

propelled by wild geese 32: 706, 712, 713.

protected against spirits 35: 615.

runway for 35: 96, 97.

sailing through the air 32: 225, 391.

use of, in picking berries 35: 206, 210, 211, 215, 216, 218, 219.

used as feast dish 35: 769, 772.

used for hunting trips 31: 407.

white flint, power to restore life 32: 304.

See also Canoes; etc.

Canoe Birch 33: 75.**Canoe Builder**

customs of 35: 615.

making a successful 35: 697.

Canoe Burial

in ground 1: 112.

of Santa Barbara 1: 112.

of Clallam 1: 173, 174.

of Twana 1: 171, 173.

of the Mosquito Indians 1: 112, 113.

Canoe Fight, description of 42: 440 sq.**Canoe Indians, an Assiniboin band 46: 430.****Canoe-shaped Vessels 44: 86 sq.****Canoes**

as tribute to chief 35: 1338.

birch-bark 23: xxxi.

birch-bark, on the Yukon 46: 55, 83.

Canoes—Continued

- birch-bark, study of Indian use of 22, i: xxii sq.
- burials in 14: 239.
- construction of 42: 689.
- description of 45: 248, 349 sq.
- four, in marriage ceremonial 35: 1004.
- method of construction of 34: 105; 45: 108.
- mystic origin of 14: 126.
- of the Antilleans 25: 207 sqq., 217.
- of the Cherokee 19: 496.
- of the Eskimo 18: 218–222.
- of the Menomini 14: 292.
- of the Nenenot 11: 304.
- of the Winnebago 37: 123.
- reference to 27: 72, 81.
- self-paddling 35: 1221, 1222.
- superterrene and aerial burial in 1: 171.
- use of 46: 579.
- value of, in trade 41: 158.
- varieties of 42: 744.
- war, preparation of 35: 1369.
- wooing 35: 1029, 1051, 1065.
- See also* **Boats**; **Canoe**; etc.
- Canoes and Houses**, burial in 1: 177, 179.
- Canonicus**
 - character of 18: 621.
 - sale of land by 18: 619–622.
- Canos**. *See* **Cofitachiqui**.
- Canotidan**, description of 11: 473.
- Canstatt**, —, cited 30: 47.
- Cantaloupes**
 - in Tusayan ceremonies 16: 280.
 - introduction of, into Pueblo country 14: 550.
 - used by Indians as food 14: 516.
- Canteens**
 - collection of Indian 3: 528–543.
 - from Pueblo ruins, forms of 22, i: 64.
 - of the Eskimo 9: 86.
- Cantero**, *Dr. Calixto Romero*, on three-pointed stones 25: 129 sq.
- Can't-hold-it**, Biāñk'í's version of 14: 910.
- Cantina**, acknowledgment to 30: 38.
- Cantwell River** 46: 125.
- Canup**, *W. T.*, acknowledgment to 19: 13.

- Canvas**, Eskimo transportation apparatus made from 18: 206, 217.
- Canville**, treaty of 18: 836.
- Cany Branch of Cumberland River**, compound vase from 20: 138.
- Canyon de Chelly**
 - accessibility of 16: 85.
 - arm of 23: 18.
 - cliff dwellings in 8: 217; 13: 254, 348; 28: 219.
 - circular kivas of 8: 117, 133.
 - collection from 2: 419.
 - doorway described and figured 8: 190.
 - early occupancy of, by the Bear people of Tusayan 8: 20.
 - exploration of 5: xxv; 15: lxxi.
 - finish of roofs of houses of 8: 150, 151.
 - home of Asa clan 8: 30; 19: 610.
 - kivas in 13: 257.
 - location of 16: 84.
 - memoir on cliff ruins of 16: 73–198.
 - petroglyphs in 4: 28, 37, 155; 10: 96.
 - pottery of 4: 293, 319; 28: 139.
 - proposed study of ruins of 8: 14.
 - specimens from 24: 328, 717, 751.
 - Tusayan tradition concerning villages of 8: 19.
 - use of whitewash in cliff houses of circular kivas of 8: 74, 145.
- See also* **Chelly Canyon**; **Cliff Dwellings**; **Mindeleff**, **Cosmos**.
- Canyon del Muerto**
 - location of 16: 85.
 - repairs to tower in 42: 5 sq.
 - ruins in, description of 16: 81; 23: 18.
- Canyon Diablo**, ruins in 28: 13.
- Canyon of the Colorado**, visited by the Spaniards 14: 390, 489.
- Canyon Segy**, **Ariz.**, petroglyphs in 10: 50.
- Caonabo**, a Porto Rican cacique 25: 32, 39, 80, 81.
- Cap Boxes** of the Eskimo 18: 164.
- Capacity, Intellectual**, of the Indian 46: 593–602.
- Capak**, definition of 16: 262.
- Cape Breton**
 - ethnologic studies in 21: xi.
 - reference to 28: 290.

Cape Darby

- carving of mythic animal from 18: 446.
- dance at 18: 357.
- description of villages near 18: 252 sq.
- hospitality of people of 18: 296.
- implements and utensils from 18: 65, 80 sq., 83, 84, 93, 100, 101, 107, 111, 124, 141, 142, 149, 150, 157, 159, 170, 172, 190.
- tobacco implements from 18: 285.
- transportation apparatus from 18: 212, 215.

Cape Denbigh, transportation apparatus from 18: 225.**Cape Espenberg**

- camp at 18: 260.
- hunting implements from 18: 127.
- observations of E. W. Nelson at 18: 299.
- people of 18: 26.
- transportation apparatus from 18: 221.

Cape Flattery, customs at 3: 107-111.**Cape Fox Indian. See Sanya, tribe.****Cape Fox Village, excavations at 43: 13.****Cape Girardeau, settlement of Delawares and Shawano at 19: 99.****Cape Girardeau Shawnee and Delaware, treaty with 18: 740.****Cape Girardeau Tract, cession of 18: 724.****Cape Krusenstern, transportation apparatus from 18: 221.****Cape Lisburne**

- graveyard at 18: 322.
- observation of E. W. Nelson at 18: 299.
- people of 18: 26.
- summer camp at 18: 262.

Cape Masurado, African knife from 4: 243.**Cape Nome**

- ceremonial objects from 18: 416.
- description of village at 18: 253 sq.
- game observed at 18: 334.
- graves and grave boxes at 18: 320.
- hospitality of people of 18: 295.

Cape Nome—Continued

- implements and utensils from 18: 66 sq., 75, 82 sqq., 89, 92 sqq., 106, 111, 127, 131, 140, 142, 145, 147 sqq., 151, 162 sqq., 173, 176-179, 180, 190-194.
- ornaments from 18: 59, 60 sq.
- people of 18: 26.
- tobacco implements from 18: 275, 282, 283.
- toys from 18: 334.
- transportation apparatus from 18: 210, 215, 218, 227, 228.

Cape Nome Crania

- basiofacial diameters 46: 279-282.
- dental arch 46: 276.
- facial 46: 266.
- facial angles 46: 285.
- means 46: 286.
- mention of 46: 257, 262, 263.
- nose 46: 268, 270.
- orbits 46: 274.

Cape Nome Sites 46: 90.**Cape Prince of Wales**

- character of people of 18: 301 sq.
- clothing from 18: 35 sq.
- description of villages at 18: 257.
- implements from 18: 77 sq., 80, 92, 101, 107, 108, 113, 115, 130, 132, 144, 149, 159, 173, 177, 188.
- ornaments from 18: 61.
- people of 18: 26.
- tobacco implements from 18: 282, 284.
- toys from 18: 341.
- trading voyages by people of 18: 230, 231.
- transportation apparatus from 18: 226.
- visit of E. W. Nelson to 18: 20, 302.

Cape Romanzof

- ceremonial objects from 18: 397 sqq., 405 sq.
- description of villages near 18: 249.
- people of 18: 26, 27.
- visit of E. W. Nelson to 18: 19.

Cape Thompson, summer camp at 18: 262.**Cape Vancouver**

- carvings of mythic animals from 18: 447, 448.
- ceremonial objects from 18: 396.

Cape Vancouver—Continued

- clothing from 18: 35.
- description of villages near 18: 251.
- implements and utensils from 18: 67, 72, 76, 94, 103, 106, 107, 111, 136, 137, 140 *sqq.*, 144, 147, 155, 156, 159, 161, 164, 165, 189, 191, 192.
- language of people of 18: 25.
- manufactures from 18: 199.
- memorial images at 18: 351.
- musical instruments from 18: 351.
- ornaments from 18: 54 *sqq.*, 61 *sq.*
- people of 18: 26, 27.
- shamanistic rites witnessed at 18: 432.
- tobacco implements of 18: 275.
- transportation apparatus from 18: 227.
- visit of E. W. Nelson to 18: 19.
- Cape Wankarem**, ruins at 18: 265 *sq.*

Capes

- Belcher 46: 169.
- Blossom 46: 204.
- Chibukak 46: 91.
- Denbigh 46: 196, 217.
- description of 45: 231.
- Krusenstern 46: 99, 204.
- Lisburne, Eskimo 46: 215.
- Lisburne, skull 46: 232, 233.
- Lombard 46: 105.
- Nome 46: 197.
- Nome, sites near 46: 90.
- Prince of Wales 46: 93, 197.
- Riley 46: 119.
- Rodney 46: 198.
- Romanzof 46: 190, 195.
- Romanzof, Eskimo 46: 225.
- Smythe (Barrow) Eskimo 46: 225.
- Stephens 46: 126, 127, 195.
- Thompson, Eskimo 46: 228.
- Vancouver, Eskimo 46: 225, 226.
- Wankarem 46: 168, 170, 171, 211.
- Wooley 46: 197.

Capetlan. *See* **Capothan.****Capital**

- consideration of 20: LXX.
- investment of 20: LXX.
- Capital Towns**, rating of 42: 307 *sq.*
- Capitan Grande Reserve**, establishment of 18: 884.

Capote Ute

- land cessions and reservations 18: 848, 892, 894.
- number names of 19: 870, 929.
- Capothan**, province of New Spain 14: 529.
- Capotlan** or **Capotean**, Indians from, accompanying Padilla 14: 592.
- Caprifoliaceae** 33: 115.
- Capron**, —, ethnologic specimens collected by 18: 192.
- Capron**, *Captain* —, troops under, at Pine Ridge 14: 850.

Caps

- designs on 41: 360.
- for women 45: 76, 235.
- made of fur 45: 73, 235.
- made of grass, vogue of 41: 139.
- of the Eskimo 18: 32 *sqq.*, 288.
- woven 41: 354 *sq.*; 45: 225 *sq.*

Capsicum, *Peppers*

- at Parishara dance 38: § 587, 591.
- burnt in warfare 38: § 764.
- cultivation of 38: § 246.
- stimulant in headache 38: § 289.
- used in eye diseases 38: § 927.

Captain on islands 38: § 741.**Captain Dick**, account of Ghost dance by 14: 784.**Captain Pipe's Village**, grant of land including 18: 688.**Captive Dance**, mention of 47: 205.**Captive Songs**

- examples of 27: 427–431.
- reference to 27: 603.

Captives

- adoption of 15: CXII; 42: 167.
- among the Kiowa 17: 173 *sq.*, 181, 234, 236.
- among the Omaha, treatment of 3: 312, 332.
- assimilation of 42: 79, 167.
- attitude toward 42: 343.
- become slaves 14: 35; 31: 499.
- burning of 42: 167, 189, 437.
- dance at death of 37: 384.
- disposition of 42: 423, 427.
- Eskimo disposal of 18: 328 *sq.*
- Kiowa, surrender of 17: 180, 189.
- mutilation of 42: 705.
- the property of the captor 42: 343.
- torture of 17: 203; 42: 189, 416 *sqq.*

Captives—Continued

treatment of 27: 603; 41: 544;
45: 158, 190 *sq.*, 407; 46: 551,
552, 553.

Captor, another name of Sitting Bull
14: 896.

Capture

absence of, in Seri marriages 17:
285*

association of wares through 20:
139.

sign for 1: 506.

Capture of Novice 35: 747.

Capture of Wife among Guiana
Indians 38: § 872.

Capuna Indians, carvings by 30:
140.

Cāqanyí'. *See* Mountain Dweller.

Caquima, identified with K'yäkime
13: 236.

Cara Pintada, Mexico 10: 131.

Caracamata Seeds, used for bait 38:
§ 188.

Caracoli

chest ornament 38: § 537.

symbol of authority 38: § 751.

Caracolis, description of, by Labat
34: 230 *sq.*

Carafes. *See* Bottles.

Caraids, verification of death 1: 146.

"**Carankouas**," a part of the Attaka-
pan family 7: 57.

Carapa Guinasis

medium for painting 38: § 512.

oil made from 38: § 25.

oil, for anointing the body 38:
§ 511, 933.

seeds, used as bait 38: § 188, 192.
timber used for boats 38: § 794.

Carapaces of turtles from Pueblo
ruins, description of 22, i: 95.

Carbajal, death of Spaniard named
14: 500.

Carbet, hall, common room, etc., of
the Cayenne and Island Carib
38: § 807, 811, 931.

Carcajou Mounds, location of 37:
99.

Card Catalogue of hieroglyphs 1:
223.

Card Games

among the Eskimo 11: 255; 18:
330 *sq.*

now forgotten 45: 130.

Cardenas, Diego Lopez de, name of,
given by Mota Padilla 14: 477.

Cardenas, Garcia Lopez

accident to 14: 505, 577.

appointment of, as captain 14:
477.

at Tiguex 14: 492.

confusion of, with Urrea 14: 489.

Coronado protected by, at Cibola
14: 483, 557, 573.

death of brother of 14: 530.

Indians interviewed by 14: 555,
556.

Indian village attacked by 14: 496.
preparations for winter quarters by
14: 576.

recalled to Spain 14: 399, 578, 583.
succeeds Samaniego as field-master
14: 388.

treachery of Indians toward 14:
498.

visits Colorado River 14: LVII, 390,
489, 574.

visits Tusayan in 1540 17: 595.

Carder, Peter, on labrets of Rio de la
Plata 3: 83.

Cardinal Birds 29: 43.

Cardinal Colors 29: 42 *sq.*

Cardinal Corn Maidens 29: 43.

Cardinal Directions

Hopi pets of the 15: 266.

invocations to 15: 269, 289.

of the Hopi 15: 258.

of the Tewa 29: 41 *sq.*

of the Zuñi 13: 355.

sacred regard of the 15: 183.

See also Cardinal Points.

Cardinal Flower

in Cherokee lore 19: 424.

mention of 33: 129.

used in medicine 30: 56.

Cardinal Mammals 29: 43.

Cardinal Mountains 29: 44, 513,
514, 560.

Cardinal Points

animals belonging to 21: 25.

assignment of colors to 3: 41-46.

assignment of days to 3: 37-40.

association of, with colors 11: 397.

beliefs concerning 11: 377, 524.

birds symbolic of the 16: 220.

bowl buried according to 41: 537.

circuit of 47: 132.

colors applied to 42: 623 *sq.*

Cardinal Points—Continued

- colors attributed to 10: 623-626.
- colors of, corresponding to those of rain-cloud symbols 21: x, 47.
- colors symbolic of 30: 46, 64.
- corn symbolic of 16: 291.
- fires at 41: 506 *sq.*
- fires at, in Ghost dance 14: 915.
- importance of, in Snake ceremonies 19: 972, 974.
- in Ghost dance 14: 789.
- in Hopi ceremony 17: 613, 628, 678.
- in Potawatomi myth 14: 209.
- in religious rites 39: 309.
- in Sioux ceremony 14: 823.
- observance of, in treating the sick 42: 624.
- observed in ceremonies 16: 257, 277.
- of the Navaho 17: 488, 500, 502, 508, 511.
- offerings to 37: 429.
- place of, in religion 41: 537.
- plants ascribed to 30: 37 *sq.*
- recognition of, in Flute ceremonies 19: 1003, 1004.
- representation of, in pictures of Hopi katchinas 21: 103.
- significance of 42: 623, 624.
- smoke offering to 14: 918, 1063.
- snakes deposited at 16: 285, 295.
- societies of the 11: 70.
- songs of, in curing disease 47: 110.
- supplication to the 11: 124.
- symbolized by colors 16: 287, 291.
- symbols for 3: 7-64.
- symbols of, in the Maya codices 16: 234, 242, 257, 263.
- winds symbolic of 16: 232.
- worship of fire god at 21: 96.
- See also* **Cardinal Directions; Directions; Winds, Four.**
- Cardinal Sacred Water Lakes** 29: 44 *sq.*
- Cardinal Shells** 29: 44.
- Cardinal Snakes** 29: 43.
- Cardinal Trees** 29: 44.
- Cardinals, numerals, Unalit, table of** 18: 238 *sq.*
- Cardona, Antonio Serrano.** *See* Serrano.
- Cards, mention of** 3: 341.
- Care of Baskets** 41: 196.

Carex Rostrata 45: 514.**Carex sp.** 45: 515.**Carey**, a synonym for Menomini 19: 1048.**Cargua**, a Kiowa synonym 17: 148, 156.**Caria Seeds**, eaten by Guiana Indians 38: § 247.**Cariacou**

- number of specimens from 34: 49.
- pottery of 34: 118.

Carib

- affinities of Timaguana with 7: 123.

- allies of Aguebana the Second 25: 40.

- amulets of the 25: 132, 142, 147.

- basketry of the 25: 213.

- cannibalism among the 25: 50.

- canoes of the 25: 207 *sqq.*

- cassava used by the 25: 53.

- character of the 25: 27 *sq.*

- culture of the 25: XII *sq.*

- festivals of the 25: 65.

- fishing among the 25: 49.

- habitat of the 25: 24.

- houses of the 25: 47.

- influence of, on southern art 15: XXXVII, XLII.

- language of the 25: 78.

- medicine-men of the 25: 60 *sq.*

- method of forming numerals 19: 914.

- mortuary customs of the 25: 58, 71 *sq.*, 213 *sq.*

- name for priests 25: 54.

- origin and migrations of the 25: 90, 217 *sqq.*

- physical features of the 25: 30 *sq.*, 142, 213.

- pictographs of the 25: 159.

- polygamy among the 25: 48.

- raids on Porto Rico 25: 28, 40, 97.

- relationship with the Borinquenios 25: 26.

- slavery among the 25: 25.

- stone implements of the 25: 92.

- turtle associated with the 25: 197.

- voyages of the 25: 207 *sq.*

- weapons of the 25: 209.

- zemis* of the 25: 58.

- See also* **Carib Indians.**

Carib Indians

- a nomadic people 34: 52.

Carib Indians—Continued

- abbreviation for name 30: 107.
- amativeness, expressions of 30: 163 *sq.*
- artifacts of 34: 55.
- as to origin of man 30: 141, 143.
- assigned to the Lesser Antilles 34: 65.
- beliefs of, as to dreams 30: 165.
- beliefs of, as to spirits 30: 163, 167, 177, 179.
- binas 30: 283 *sq.*, 285.
- Black, origin of 34: 89.
- boy's escape from 30: 273 *sq.*
- burial customs of 30: 156-160, 299.
- cannibalism of 30: 273.
- comets, beliefs regarding 30: 259.
- couvade, practice and prevalence of 30: 320-324.
- culture epoch of 34: 56.
- eclipses among 30: 258 *sq.*
- fighting women of 30: 365.
- food of 30: 295 *sq.*, 352.
- inhabitants of Lesser Antilles submerged by 34: 52, 88, 261.
- invasion of Lesser Antilles by 34: 254 *sq.*, 267.
- islands inhabited by 34: 51, 52, 88.
- legends of 30: 129, 130, 133 *sqq.*, 146 *sq.*, 152, 179 *sq.*, 181, 205, 211, 218 *sq.*, 223, 248 *sq.*, 265, 323, 378 *sq.*
- marriage customs of 30: 314.
- menstruating women among 30: 309.
- modeling of 30: 140.
- names of 30: 306, 307.
- natal customs of 30: 319, 320 *sqq.*, 323, 324.
- not pottery makers 34: 56.
- omens prevalent among 30: 271.
- ordeals of 30: 278, 309 *sq.*, 339.
- origin of 30: 143-146.
- poisons of 30: 359.
- protection against spirits 30: 180 *sq.*, 298 *sq.*
- puberty customs of 30: 309-312.
- religious beliefs of 30: 117, 136, 139.
- sails invented by 30: 125.
- settlements of, in Porto Rico 34: 171.
- sickness among 30: 349, 351, 353.
- stars, beliefs as to 30: 260.

Carib Indians—Continued

- still living in Dominica 34: 124.
- storms feared by 30: 290 *sq.*
- survival among, of older customs and objects 34: 52.
- theory concerning 34: 77 *sq.*
- war with Arawak Indians 30: 383 *sq.*
- words taboo among 30: 253.
- See also* Carib; and various Carib tribal names.
- Carib Pottery**, meaning of the term 34: 261.
- Carib Stones**, where found 34: 93.
- Caribbean**
 - art, study of importation of 21: x, XIII.
 - designs, resemblance of South Appalachian stamp designs to 20: 134, 135.
 - influence in Florida 16: LVII.
 - ware, Gulf Coast, ware suggesting 20: 110 *sqq.*
- Caribbean Sea**
 - location and extent of 25: 21.
 - pictographs of 4: 40.
- Caribbeans.** *See* Carib; etc.
- Carbisce Cliff**, legend of 30: 238.
- Carica Papaya** 38: § 85.
- Caries**, among the Pima 26: 268.
- Carignan**, —, on movements of Sitting Bull 14: 855.
- Carijona Indians**, modeling among 30: 140.
- Carinepagotos**, a nation of Trinidad 34: 64.
- Carisa Plain, Calif.**
 - Carson River, petroglyphs on 10: 92.
 - petroglyphs in 10: 68.
 - pictographs of the 4: 36.
- Carise** land cessions and reservations 18: 782.
- Carizo, Ariz.**, ruins near, mention of 22, i: 19.
- Carleton, Col. James H.**, military operations of 26: 48, 51.
- Carley, Sam**, acknowledgment to 37: 48.
- Carlin Farm Reserve**
 - authority for establishment of 18: 828.
 - discontinuance of 18: 894.
 - establishment of 18: 890.

- Carlisle (Pa.) Indian School**
 establishment of 17: 216.
 linguistic investigations at 28: 225.
- Carlisle Students**
 as Messiah delegates 14: 900.
 in Ghost dance 14: 923, 924, 971, 1038.
- Carlos, a Flathead chief** 45: 377.
- Carludovica**
 for basketry 38: § 100, 102.
 for belts 38: § 544.
 in the manufacture of whips 38: § 845.
 "rope" 38: § 72. *
- Carmel Language of Mofras** 7: 102.
- Carmona, Alonso de**, Apalachee described by 42: 440.
- Carnegie Institution of Washington**, acknowledgment to 28: 239.
- Carniff, William**
 on use of wild rice by whites in Ontario 19: 1101.
 on wild rice in Lake Huron 19: 1037.
- Carnival, name for** 29: 69.
- Carolina Indians**
 authorities on 42: 680.
 canoes of 42: 689.
 customs of 42: 691, 692, 693, 694, 696, 697, 699, 700, 701, 702, 703, 704, 705, 707, 708.
 dwellings of 42: 191, 687, 688.
 feather cloaks used by 42: 682.
 hair dressing of 42: 684.
 tattooing among 42: 686.
 textile fabrics of 13: 14, 16.
- Carolina Tribes**, burial among 1: 93.
- Carolinas**
 Cherokee connection with pottery of 20: 143 sq.
 difficulty in analyzing pottery of 20: 142.
 intermingling of varieties of ware in 20: 144.
 ornamentation in color of pottery of 20: 67.
 pipe-making of historic tribes of 20: 140.
 pottery of coastal districts of 20: 146, 150.
 resemblance of Delaware Valley pottery to that of 20: 177 sq.
- Carolinas—Continued**
 tribes formerly occupying 20: 142.
 use of steatite as tempering in vessels from 20: 47 sq.
See also North Carolina; South Carolina.
- Caron, Josette**
 Menomini treaty signer 14: 28.
See also Karon.
- Carondelet, Baron de**, grant signed by 18: 715, 724.
- Carpinteria**
 asphalt from 44: 105.
See also La Carpinteria.
- Carr, Gen. E. A.**
 arrest of Nakai-dokli'ni by 14: 705.
 operations of, in Sioux outbreak 14: 882.
 troops under, in Sioux outbreak 14: 850.
- Carr, Lucien**
 cited 5: 84, 87, 88, 92; 12: 645; 46: 234.
 on Indians and mound builders 12: 600, 615.
 shell gorget described by 2: 295.
- Carreri, Gemelli**, on Mexican Calendar system 19: 935.
- Carriacou**, pottery from 25: 189, 190.
- Carribas**, location of 43: 170.
- Carrier, Miss Emily**, Nanticoke words supplied by 36: 14.
- Carrier Tribe**, mention of 41: 135.
- Carriers**
 for meats, etc., Eskimo 18: 73.
See also Takulli.
- Carrington, —**
 on East Cherokee chiefs 19: 175.
 on East Cherokee constitution 19: 173.
 on East Cherokee in Civil War 19: 170, 171.
 on Iroquois 19: 485.
 on Iroquois peace towns 19: 208.
- Carriou Crows and Medicine-Man**, legend of 30: 343 sqq.
- Carriou-Flower**, use of 44: 293, 346.
- Carriso Mountains**, description of 17: 477.
- Carrizal**
 occurrence of, in Seriland 17: 36.
 Seri, use of, in balsa-making 17: 216* sq.

- Carrizo**, numerals of 19: 919.
- Carroll**, —
 on Catawba in Cherokee war 19: 44.
 on English conduct toward Cherokee 19: 38.
- Carroll, Major** —, Porcupine's account made to 14: 793.
- Carroll, John J.**, work of 22, i: XII.
- Carroll, Gov. William**
 commissioner for making and executing Cherokee treaty 5: 253, 283.
 report of, on the Cherokee 5: 259.
 treaty signed by 19: 125.
- Carron**
 genealogy of 14: 50, 53.
 medal presented to 14: 18.
- Carron Family**, importance of 14: 45.
- Carrots**
 boiled in kettle 35: 557.
 digging of 35: 200.
 preparation of 35: 553.
- Carrying**. *See* Domestic Pottery.
- Carrying Song** 39: 135.
- Carson, Kit**
 attacks on Kiowa by 17: 179, 314.
 presence of, at treaty of 1865 17: 180.
 reference to 28: 62.
 return of, from California 26: 30.
- Carson Desert, Nev.**, rock carvings in 4: 24.
- Carte de la Louisiane et du Cours du Mississippi**, on location of Maskotin 19: 1053.
- Carte Figurative**, cited 30: 20.
- Carte Particulière du Fleuve Saint Louis**, on synonym for Menomini 19: 1048.
- Carter, Charles D.**, migration legend obtained from 44: 177.
- Carter, Hon. George R.**, acknowledgment to 30: 17.
- Carter, James M.**, information furnished by 44: 63.
- Carter-Blake**, — 46: 348.
- Carter County, Ky.**, flint in 44: 514-519.
- Carteret, Lord**, sale of right in Carolina government by 18: 530.
- Carteret, Sir George**, grant to 18: 530, 588.
- Carteret, Philip**, purchase of land by 18: 588.
- Carteria Larreae**, creosote gum deposited by 26: 106.
- Cartersville, Ga.**, mounds near 5: 96-104.
- Carthage, Tenn.**, trail from, to Algood 42: 836.
- Cartier, Jacques**
 aborigines met by 7: 58, 77 sq.
 cited 12: 618, 624.
 Indians found on St. Lawrence by 19: 190.
 reference to 28: 290.
- Cartographic Results** of the Coronado expedition 14: 403
- Cartoweri knapsack** 38: § 450
- Cartridge Shells**, Eskimo tobacco implements made of 18: 280, 282, 283.
- Cartwright, George**
 on archery, Montagnais 24: 384 sq.
 on tossed ball, Montagnais 24: 708.
- Cartwright, John Bell**, collection presented by 41: 116.
- Caruna**
 a vegetable poison 38: § 735.
 seeds used as bells 38: § 574.
- Carus, Dr. Paul**, on Chinese mystic numbers 19: 847.
- Carver, Capt. Jonathan**
 cited 12: 657.
 medicine ceremony described by 14: 111 sqq.
 Ojibwa pictographs recorded by 15: 169.
 Omaha hunters met by 15: 191
 on Cree jugglery 14: 141 sqq.
 on Dakota curing wild rice 19: 1065.
 on Dakota property right 19: 1073.
 on Dakota storing wild rice 19: 1058 sq.
 on dice games, Chippewa 24: 65.
 on dogs of Siouan Indians 15: 170.
 on duck in Wisconsin 19: 1034, 1098.
 on early trade of the Omaha 27: 80 sq., 612.
 on future value of wild rice to the whites 19: 1101.
 on Green Bay, progress of 14: 18.
 on Green Bay Indians, habitat of 14: 19.

Carver, Capt. Jonathan—Continued
on horses among the Plains tribes
15: 173.

on Indians 4: 98, 99, 104, 113.

on influence of wild rice on geographic nomenclature 19: 1116.

on location of Sauk 19: 1051.

on Minnesota River 19: 1035.

on racket, Chippewa 24: 566.

on Sicuan dances 15: 175, 184.

on Siouan weapons 15: 171.

on stone slung-shot 13: 95.

on the Winnebago in 1778 15: 196.

on thrashing wild rice by the Dakota
by treading or rubbing 19: 1069.

on time Dakota first possessed
horses 19: 1044.

on wild rice feasts 19: 1092.

on wild rice in Fox River 19: 1034.

value of records of 15: 183.

Carver Place, flint on 44: 517.

Carving

Eskimo examples of 18: 47, 54-62,
67, 70, 71, 82-89, 94-108, 111, 127,
134-144, 150, 154, 162-173, 179,
188, 193 *sqq.*, 218, 227, 233, 252,
264, 274, 276, 280, 345, 346, 351,
352, 396-415, 436, 446, 447, 449.

implements of the Eskimo 18:
85 *sq.*

in stone 45: 41.

ivory, bone 46: 170.

of Melanesian Islands like those on
American continent 3: 147.

of the Eskimo 11: 260.

pottery decoration by means of
20: 65.

skill in 30: 140.

See also Carvings; Decoration; In-
cision; Paddles; Stamps.

Carvings, Animal

from mounds 2: 117.

totemic origin of 2: 150.

Carvings in House 35: 785.

Carvings of the Eskimo 9: 392-409.

Carvings of the Kwakiutl

bird 35: 807, 810.

crane 35: 810.

grizzly bear 35: 805, 806, 856.

representing men 35: 814.

wolf 35: 820, 856, 1119.

Casa Blanca

a name of two cliff dwellings 16:
145.

Casa Blanca—Continued

cache discovered near 26: 256.

day schools of 26: 34.

described by Simpson 16: 79.

description of 16: 104-111.

description of ruin of 26: 24.

floods at 26: 52 *sq.*

gambler's prayers, place near 26:
175.

history of 26: 25.

in Pima mythology 26: 227.

in Pima song 26: 282.

jacal construction in 16: 163

notched doorway in 16: 164.

Pima village 26: 21, 23.

population of 26: 21.

race tracks near 26: 173.

reference to 28: 71.

traces of whitewashing at 8: 145.

Casa de Contratacion, description of
14: 351.

Casa del Tepozteco, Mexico, in-
scription from 26: xiv.

Casa Grande

and San José ruins compared 13:
186.

application of the name 28: 79 *sq.*,
87.

ascribed to the Hopi 17: 531.

character of structure of 13: 238.

chief of 26: 24.

description of 26: 153.

durable character of 23: xxx.

history of 26: 25.

identical with Chichilticalli (?) 26:
26 *sq.*

identification with Chichilticalli at-
tempted 14: 387.

in Pima mythology 26: 221, 227.

in Pima song 26: 281.

location of 26: 24.

masonry of 13: 360.

memoir on 13: 289, 319; 28: 25.

origin of name 28: 33.

people of, relations of, to those of
Verde Valley 22, i: 34.

report on 13: xxxvii, xliv, lv.

reservation of 13: xxxvii.

ruin of 11: xxvii.

visited by Kino 26: 27.

walls of 26: 21.

Casa Grande Ruins, Ariz., operations
at 29: 14 *sq.*, 20.

- Casa Grande Station, Ariz.**, reference to 28: 72.
- Casa Grande Mountains, Ariz.**
pictographs found in 28: 148.
reference to 28: 36.
- Casa Grande Ruin**, memoir on repair of 15: cii, 315, 349.
- Casa Montezuma**
designation of Casa Grande 28: 33, 34.
See also Montezuma.
- Casas Grandes**
exploration of 23: xvii.
of the Gila 28: 153.
pottery from 17: 624.
resemblance of, to Gila River remains 16: 196.
- Casas Grandes (Chihuahua).**
pottery from 28: 137, 142, 156.
reference to 28: 54.
type of 28: 151.
- Casca Indians**, mention of 41: 135.
- Cascade Indians**, a Kwikwúlit synonym 14: 741.
- Cascade People**, basketry of 41: 141, 156, 361.
- Cascara Buckthorn**, use of 45: 473.
- Case, H. B.**, on Indian burial custom 5: 47.
- Case of Witchcraft**, Iroquois account of a 2: 72.
- Caseheapana.** *See Pastor.*
- Cashew**
cultivation of 38: § 246.
drink made from 38: § 267.
poison obtained from 38: § 735.
- Casey, Lieut. E. W.**, killed at Sioux outbreak 14: 872, 888.
- Casimi**, fruit of, eaten by the Makusi 38: § 247.
- Casqui**, mention of mound at 42: 175.
- Cass, Lewis**
experience of, at Ottawa ceremony 14: 105.
purchase of reservations through 18: 705.
reply to Schermerhorn's proposals by 19: 122.
treaty commissioner 14: 27, 28.
- Cass Lake**, reservation at 18: 804.
- Cass Manuscript**
quoted on Canadian Indian magic 14: 144.
- Cass Manuscript—Continued**
quoted on Rabbit Rock myth 14: 117.
- Cassanate, Pedro Pastel de**, expedition of 17: 57.
- Cassandra**, an edible beetle 38: § 224.
- Cassava**
at salutation ceremony 38: § 811.
bread 38: § 236.
canoe 38: § 344.
ceremonies of 30: 230.
grater 38: § 334-343, 826.
leaf-strand figure 38: § 621.
leaves of, eaten 38: § 237.
legend concerning, in Dominica 34: 126 sq.
means of suicide 38: § 732.
mention of 25: 51 sqq., 106, 194, 216.
sifter for 38: § 356-360.
smoother 38: § 365.
spirits associated with 30: 228, 230.
squeezer 38: § 345-355.
squeezer, name for 38: § 345.
starch made of 38: § 234.
- Cassava Bread**
made from yucca 34: 57.
stones for baking 34: 223.
- Casse-têtes**, from Guadeloupe 34: 134.
- Cassidy, Gerald**, reference to 29: 466.
- Cassidy, Perlina Sizer**
on tradition of Ship Rock 29: 567.
reference to 29: 211.
- Cassine**
ceremonial and medicinal properties of 42: 666.
ceremonial drinking of 42: 300, 306, 598.
description of plant 42: 542, 543.
mention of 42: 536.
picture of brewing of 20: 26.
preparation and drinking of, at busk 42: 584.
where grown 42: 539.
See also Asi; Black Drink; Ilex Vomitoria.
- Cassis Shells** used as vessels 2: 191, 194, 196.
- Casson** land cessions and reservations 18: 782.
- Castake** land cessions and reservations 18: 782, 788.

- Castalia odorata**, use of 44: 288, 342.
- Castalian Springs, Tenn.**
 burials found at 41: 605.
 fortified town at 41: 496.
 mound at 42: 729.
 vases found at 41: 534.
- Castañeda, Alonso de**, death of 14: 500.
- Castañeda, Miss Isabel R.**, Mexican tales collected by 37: 21.
- Castañeda (de Nagera), Pedro de**
 account of Cibolan milling by 8: 211, 212.
 account of Tusayan by 17: 596.
 accusations against Friar Marcos 14: 366.
 cited on Indian bread 9: 522.
 credibility of his version of the Turk's stories of Quivira 14: 394.
 difficulties in manuscript of 14: 513, 514.
 explanation of troubles between Friar Marcos and Estevan 14: 355.
 family of 14: 470.
 manuscript of, in Lenox Library 14: 339, 413.
 mistake of, regarding departure of Alarcon 14: 385.
 narrative of 16: LIV.
 narrative of Coronado's expedition by 14: LV, 413, 417.
 on Acoma 29: 543, 544.
 on Cibola hair dressing 17: 661.
 on condition of Chicilticalli 13: 295.
 on cremation among Pueblo Indians 22, i: 176.
 on early Pueblo warfare 17: 588.
 on Galisteo 29: 482.
 on Hopi fabrics 17: 629.
 on Jemez 29: 402.
 on location of Tusayan 19: 598.
 on Pecos 29: 476.
 on Picurís 29: 193.
 on Pueblo kivas in 1540 17: 575.
 on Quivira 29: 565.
 on Santa Fé Mountains 29: 105.
 on Sia 29: 517.
 on stone balls found in Pueblo ruins 22, i: 183.
 on Taos 29: 183.
- Castañeda (de Nagera), Pedro de—**
 Continued
 on visit to Tusayan in 1540 17: 596, 597.
 on Yuqueyunque 29: 227.
 peculiarities of style of 14: 525, 526.
 references to 28: 53, 117.
 says Friar Marcos's promotion was arranged by Mendoza 14: 364.
 Spanish family name 14: 511.
 stories of revolt of Rio Grande Indians 14: 393.
 story of an Indian trader 14: 345.
 story of Estevan's death 14: 306.
 Zúñi cremation mentioned by 13: 366.
- Castapanas**, identification of 17: 166.
- Caste System** among the Tlingit 26: 427.
- Casteel Family**, murder of 19: 76.
- Castilleja Coceinea**, use of 44: 288, 362.
- Castillo, Alonso del**, same as Maldonado 14: 348.
- Castillo, Anton**, aid rendered by 17: XIII, 14.
- Castillo de Teayo** 25: 250.
- Castillo del Oro**, name given by Columbus to Chiriqui 6: 35.
- Castner, J. C.**, mention of 46: 124, 125.
- Castor Canadensis Frondator**, eaten by the Pima 26: 81.
- Castor Hill**, treaty of, in 1852 18: 738, 740, 742, 744; 19: 99.
- Castorium** as a weather charm 35: 636.
- Castration**
 of dogs 38: § 719.
 of Indian priests and medicine-men 9: 454.
 of prisoners by Guiana Indians 38: § 507, 769.
- Caswell, —**, on the Kentucky revival 14: 943.
- Cat**
 Cherokee name for 19: 265.
See also Guñsádatte.
- Cat Briar**, medicinal use of 42: 667.
- Cat-tail**
 a life symbol 36: 93.
 in Pima basketry 26: 133, 135.
 medicinal use of 27: 584.

Cat-tail—Continued

use of 33: 64; 44: 294, 378; 45: 482, 496, 498.

use of, as food 17: 270.

Cat-tail Flag, used in basketry 41: 145.

Cat-tail Gens

silent during ceremony 36: 93.

See also **Wa-ke'-the'stse-dse Gens**.

Cat-tail Woman in Pima song 26: 296.

Cata, **Eulogio**, reference to 29: 143.

Cataha or **Catakâ**, Kiowa Apache synonym 17: 245.

Catahoula County, La., ware found in mound at 20: 103.

Cataka, a synonym of Kiowa Apache 14: 1081.

Catalina Mountains, Ariz., reference to 28: 36.

Catalogues of collection in 1881 3: 427-592.

Cataloguing of Specimens, method of 12: 22.

Catamenial Customs

of the Assiniboin 46: 524.

of the Fox Indians 40: 229, 245, 303-309, 339 *sq.*, 357, 491, 517, 571.

of the Omaha 3: 267.

of the Salishan tribes 45: 62, 172.

See also **Menstruation; Puberty**.

Cataract among the Pima 26: 268.

Cataracts in Cherokee lore 19: 426.

Cataraugos. *See* **Cattaraugus**.

Catarro 38: § 918.

Catawba

and Dakota affinity 15: 159.

black pottery of the 41: 522.

Cherokee relations with 19: 14, 31 *sq.*, 36, 44, 49, 165, 234, 380 *sq.*

divisions of the 15: 165.

feather ornament of 19: 504.

games of the 24:

football 698, 704.

racket 611.

habitat of the 7: 112, 114, 116.

land cessions and reservations 18: 780.

linguistic work among the 15: 244.

myths of the 19: 452.

name for Cherokee 19: 16, 183.

population of the 7: 118.

population of the, in 1755 19: 39.

proportion of warriors to population 14: 33.

Catawba—Continued

researches among the 14: XL.

sketch of the 19: 498.

Spanish contact with 19: 28.

See also **Catawba Indians**; etc.

Catawba Dialect, recorded as a type 21: XXIV.

Catawba Indians

attacked by the Iroquois 42: 735.

called Flatheads 42: 687.

former habitat of 20: 142.

modern pottery making by 20: 20, 52, 53 *sqq.*, 130, 131 *sq.*, 142 *sq.*

modern pottery of 20: 143.

pottery from mound resembling that of 20: 144.

pottery made by 42: 690.

prehistoric pottery of 20: 143.

proposed removal of, to Cherokee country 5: 317.

resemblance of Pamunkey pottery to that of 20: 152.

treaty of 1756 with 5: 145.

See also **Catawba**; etc.

Catawba Killer

Cherokee formulas furnished by 7: 316.

See also **Takwatihi**.

Catawba Language

study of, by Dr. J. R. Swanton 39: 14.

studied by Dr. T. Michelson 34: 17.

Catawba Settlements

attack on 42: 769.

location of 42: 778.

Catawba Trail 42: 772.

Catcher Toy 38: § 617.

Catching Game, description of 45: 134.

Catch-the-Bear

an adherent of Sitting Bull 14: 857.

killed in Sitting Bull fight 14: 857.

Caterpillars

destruction of wild rice by 19: 1027, 1100.

Pima superstition concerning 26: 265.

string figures of 38: § 672.

used as food 38: § 223.

used in ordeals 30: 279, 281.

Catfish, folk tale of the 14: 214.

Catfish Dance, mention of 42: 523, 534.

- Catfish Lake**, Seminole settlement
5: 477, 478, 509.
- "**Catgut**," in Cherokee lore 19: 425.
- Cathartics**, used by the Zuñi 30: 51, 53.
- Cathlascon Tribes**, Scouler on 7: 81.
- Catholic Church**
influence of 47: 203, 205 *sq.*, 846, 903.
part taken by, in burials 47: 137.
- Catholic Mission**, grant of land to 18: 836.
- Catlin, George**
cited 10: 741; 30: 299 *sq.*
cited on Indian beliefs 11: 506.
cited on Indian medicine-men 9: 463.
cited on Indian wigs 9: 475.
describes shell adze 2: 205.
on Apache arrow chipping 13: 138.
on Apache stone-flaking 13: 173.
on Apache whale-tooth punch 13: 140.
on archery, Mandan 24: 293.
on burial of Blackbird 1: 139.
on Dakota gathering wild rice 19: 1062.
on dice games, Iowa 24: 186.
on double ball, Dakota 24: 648.
on double ball, Santee 24: 663.
on early traders 17: 171.
on Fort Gibson Indians gathering in 1834 17: 169.
on Golgotha of Mandans 1: 170.
on hidden ball, Iowa 24: 365 *sq.*
on hoop and pole, Mandan 24: 459, 512 *sq.*
on hoop and pole, Minitarees 24: 487.
on Indians 4: 101, 114, 115, 116.
on Kānakūk 14: 692, 697.
on Kiowa 17: 268.
on Kiowa in 1834 17: 171.
on Mandan Chungke stones. 13: 99.
on Mandan claim of antiquity 15: 167.
on Mandan desolation of smallpox 17: 275.
on Mandan pottery making 20: 58, 195, 197.
on meaning of Kānakūk 14: 693.
- Catlin, George**—Continued
on meeting of Comanche and dra-
goons 17: 264.
on mourning cradle 1: 181.
on native name of Mandan 15: 163.
on Nootka method of tree felling 13: 72.
on Oto and Missouri habitat 15: 195.
on racket, Cherokee 24: 581.
on racket, Choctaw 24: 585, 599-602.
on racket, Iowa 24: 615.
on Shawano prophet 14: 673.
on Shawano religion among the Blackfeet 14: 680.
on Siouan bows 15: 171.
on Siouan use of horses 15: 175.
on Tahchee 19: 141.
on Tecumtha 14: 691.
on use of stone implements in pem-
mican making 13: 88.
on value of white buffalo hide 27: 284.
on Wichita houses 17: 266.
quoted on Indian customs 11: 513.
reference to North American Indians by 12: 42, 43.
reference to work of 11: 501, 502.
value of records of 15: 183.
visit of, to Kānakūk 14: 696.
visit of, to Kiowa in 1834 17: 262 *sqq.*
wild rice harvesting illustration, reference to 19: 1057.
- Catlinite**
mention of 4: 23.
used for pipes by Menomini 14: 248.
- Catnip**
introduced by the whites 33: 59.
medicinal use of 43: 266.
use of 44: 290.
See also **Nepeta Cataria**.
- Cato, Josiah**
on stone collars 25: 167 *sq.*
stone collars interpreted by 34: 207.
- Catostomus**, fish of Colorado Basin 26: 83.
- Cat's Claw**, a Pima food plant 26: 76.

- Cat's Cradle**
 general description of 24: 761 sq.
 mention of 45: 135.
 of the Guiana Indians 38: p. 500-550.
 played by the 24:
 Apache (White Mountain) 762 sq.
 Clallam 772.
 Eskimo (Central) 767 sqq.
 Eskimo (Ita) 769.
 Hopi 774.
 Hupa 763.
 Keres 770.
 Makah 762, 776.
 Maricopa 776.
 Maya 772.
 Navaho 762, 763-767, 775, 776.
 Pomo 771.
 Sauk and Foxes 762.
 Shuswap 773.
 Skokomish 773.
 Songish 773.
 Tewa 774 sq.
 Thompson Indians 773.
 Tigua 775.
 Tsetsaut 767.
 Zuñi 761 sq., 766, 774, 777 sqq.
 played by the Eskimo 18: 332.
- Cattaraugus**
 cession of reserves at 18: 662, 770.
 reservations at 18: 658, 776.
- Cattaraugus Reservation, N. Y.,**
 linguistic investigations at 5: xxxi.
- Cattle**
 among the Papago 26: 28, 93.
 among the Pima 26: 85 sq., 99.
 branding of 4: 182 sq.
 early introduction of 14: lvi.
 imported into New Spain 14: 375.
 introduced into Tusayan 8: 22.
 payment of, for grass lease 17: 355.
 purchase of, for the Kiowa 17: 340.
 raising by the Cherokee 19: 82, 122, 137, 166, 213 sq.
 Seri method of hunting 17: 204* sq.
See also under the various names.
- Cattako**, a Kiowa Apache synonym 17: 245.
- Cauac** day symbol discussed 16: 259.
- Cauchi**, De Soto's visit to 19: 29.
 95719°—33—13
- Caughnawaga**
 games of the 24:
 dice games 105.
 hoop and pole 474 sq.
 racket 573 sq.
 population of 7: 80.
- Caujaniquaunte**, sale of land by 18: 622.
- Caul**, luck from 30: 271.
- Caulin**, —, on belief in God among Orinoco tribes 30: 118.
- Caulking of Box** 35: 299.
- Caulophyllum Thalictroides**
 medicinal constituents of 44: 304.
 medicinal properties of 44: 300.
 use of 33: 83; 44: 288, 340, 342, 344, 346.
- Cautantouwit**, an Algonquian god 14: 982.
- Cauterizing** 35: 694.
- Cauxana Indians**, natal customs of 30: 325.
- Cavallos**, *Bahia de los*, site of Narvaez's camp 14: 347.
- Cavate**
 dwellings, functions of 17: 544.
 dwellings, in Verde Valley, discussed 17: 536, 537-545.
 dwellings, types of 28: 188, 219.
 use of term 28: 193, 194.
- Cavate Lodges**
 ancient, how excavated 13: 251.
 described and figured 13: 217.
 in Verde Valley 13: 187, 192.
 on Fossil Creek 13: 203.
 reason for abundance of 13: 260.
- Cavate Ruins near Flagstaff**
 classes of 22, i: 35.
 description of, published 22, i: 35.
 new caves of 22, i: 37 sq.
 old caves of 22, i: 36 sq.
 old caves of, plan of 22, i: 37.
 Turkey Tanks, caves of 22, i: 38 sq.
 views of 22, i: i-vi.
- Cave**
 at Ford's Ferry 42: 809 sq.
 for cedar-bark, used at birth or maturity 35: 671, 672, 673.
 Graham Mountains, description of 22, i: 187 sq.
 sacrificial, in the Nantacks, collection of objects from 22, i: 188 sq.

Cave—Continued

used by inhabitants of Kwaituki
8: 57.

See also Caves; etc.

Cave Burials

general description of 1: 126.

in Alaska 1: 129.

in Calaveras County, Calif. 1: 128,
129.

in Holston Valley 42: 752.

of the Utes 1: 127, 128.

See also Burials.

Cave Dwellers

Antillean 25: 41.

culture of the 34: 56, 268.

of Cuba 34: 246 sq., 255 sq.

Cave Dwellings

found near Santa Clara 2: 431.

in Arizona 13: 224.

of Barbados 34: 87.

Cave Houses, mention of 4: 284,
286, 293.

Cave-in-Rock, described by Collins
42: 809.

Cave Lodges occupied in historic
times 8: 225.

Cave Man, no trace of, in the Ozarks
40: 16.

Cave Ruins

classification of 16: 155.

villages in Canyon de Chelly 16:
97.

Cavern symbol in Mexican pictog-
raphy 16: 223.

Caves

as burial places 12: 285, 286; 34:
57, 61.

fabrics preserved in 13: 29.

in Tewa tradition 29: 138 sq., 166
sq.

inhabited by the Muskogee 42: 44.
mention of 46: 182.

of Barbados 34: 11, 82 sq.

of Cottonwood Canyon 36: 26.

of Isle of Pines 34: 257.

of Porto Rico 34: 170 sq.

of Trinidad 34: 66.

references to 29: 225, 272, 296,
321, 374, 412, 415, 452, 457.

See also Cave; etc.

Cavetown, Ind., occurrences of Iro-
quoian pottery at 20: 164.

Cavetown, Md., explorations near
26: XII sq.

Cavitt's Station, attack on 19: 75.

Caxā'n. *See Shakan.*

Cayam Carumi, an Inca god 25:
143.

Cayanwa; Cayenas; Cayguas, Kio-
wa synonyms 17: 148.

Cayenne

beliefs as to god in 30: 117, 118.

burial customs in 30: 156, 157.

courtship in 30: 313, 314.

dances in 30: 301 sq.

eclipses in 30: 255.

food in 30: 296.

investigation in 30: 107.

natal customs in 30: 321, 324, 325.

puberty customs in 30: 309, 310,
312.

words taboo in 30: 252 sq.

Caygua, a Kiowa synonym 14: 1078.

Caypor, description of 30: 174.

Caysúma, a Guiana Indian fermented
fruit drink 38: § 286.

Cayuga

dice games of the 24: 117.

peace treaty of the 43: 456.

population of the 7: 80.

study of language of the 30: 20.

use of wooden mortars by the 13:
96.

*See also Cayuga Indians; Five Na-
tions; New York Indians; Six
Nations.*

Cayuga Indians

researches among 42: 11.

tree-carvings by the 10: 213.

*See also Cayuga; and references
given there.*

Cayuga Lake, pictographs on 10:
213.

Cayuse

and Klúkatāt hostility 14: 738.

habitat and population of the 7:
127, 128.

land cessions and reservations 18:
894, 908, 918, 928.

opinion of land assignments 14:
710.

present habitat of the 14: 805.

sketch of the 14: 743.

study of language of the 15: XLV.

vocabulary obtained 10: XIV.

Cayuse—Continued

vocabulary transcribed 15: XL.

See also Wailatpuan.

Cayuse Indians

Flathead name for the 45: 301.

mention of the 41: 136.

name of the, in sign language 45: 147.

See also Cayuse.

Cayzu, Guiana Indian maize bread

38: § 264.

Ceanothus Americanus

medicinal use of 42: 664.

mention of 33: 102.

Ceanothus Ovatus, use of 44: 288, 340.**Ceanothus Sanguineus** 45: 512.**Ceanothus Velutinus** 45: 457, 475, 516.**Cear-Chi-Neka.** *See* Siachi'nika.**Ceara, Brazil**, petroglyphs in 10: 155 *sqq.***Cebollita Valley, New Mexico**

excavation of ruins around 19: XIII.

ruins of dressed stones in 21: XVIII.

Cecelhuchah, meaning of 16: 224.**Cecropia**, for dance sticks 38: § 578.**Cecropia Palmata** 38: § 287.**Cecropia Paltata**, leaves used for "sandpaper" 38: § 21.**Cedar**

a symbol of long life 39: 238; 43: 60, 68.

appearance of, in representations of Hopi kateinas 21: 65.

associated with thunder rites 27: 42.

brown, timber used for boats 33: § 794.

ceremonial use of 43: 47, 48, 72.

for fire 35: 763.

leaves, ceremonial use of 40: 91, 357.

lore concerning 19: 421, 505.

male, a life symbol 36: 95.

medicinal use of 42: 552, 657, 668.

mention of 33: 63; 35: 166, 167, 171.

mystic character of 33: 57.

primitive conception of 15: 182, 183.

red, a life symbol 36: 95.

Cedar—Continued

red, use of 44: 290, 369, 377.

sacred regard for 14: 809, 979.

stripping of bark of 35: 616.

symbolism of 33: 64; 43: 48.

tinder made from 30: 93.

use of 45: 51, 53 *sq.*, 498, 500.

use of, in pictures of Hopi kateinas 21: 122.

used at Casa Grande 28: 146.

used in ceremonies 30: 93.

used in Ghost dance 14: 911, 921.

used in medicine 30: 55.

used in preparing fiber 30: 78.

yellow 35: 163.

See also Cedar Bark; etc.

Cedar Bark

beater 35: 129.

belief regarding 35: 131.

breaker 35: 109, 127, 128, 133.

gathering of 44: 386.

implement for peeling 35: 143.

implement for splitting 35: 117, 124.

mention of 35: 191.

packing of 35: 122, 123, 132.

peeling of tree 35: 120, 121, 131.

preparation of 35: 130.

qualities of 35: 122, 125.

red 35: 677, 735.

red and white 35: 1005 *sq.*

red, for shaman 35: 721.

rings of, for nönlem 35: 1035.

shredded 35: 660, 661.

shredding of 35: 126-129, 132.

splitting of 35: 125.

use of, as hair, in dress of Hopi kateinas 21: 86.

use of, as torch, carried by Teolawitze 21: 61.

use of, as torch, in Hopi festivals 21: 96.

use of, as torch, in Sumaikoli festival 21: 96.

white, burnt for purification 35: 1173.

yellow, shredded 35: 662, 668.

Cedar Bark, Red.

for speaker in Winter ceremonial 35: 899.

head ring of 35: 890, 1154, 1197.

mention of 35: 849, 856, 867, 868, 1004, 1018, 1155.

neck ring of 35: 874, 1071.

Cedar Bark, Red—Continued

represented on house post 35: 805.
worn by the shaman 35: 1217.

Cedar-bark Bags, for storing wild rice 19: 1072.

Cedar-bark Rope 35: 75, 76, 90, 100, 158.

Cedar-bark Towels 35: 775.

Cedar County, Nebr., reference to 27: 99.

Cedar Creek, reference to 27: 99.

Cedar Keys, Florida, pottery from near 20: 112, 127.

Cedar Mats 35: 125.

Cedar Point, treaty of 18: 760.

Cedar Pole

account of 27: 229, 457 *sq.*

references to 27: 194, 200, 217, 219, 494.

Cedar Roots, used in basket making 41: 137.

Cedar Tree

fellng of 35: 60.

hypnotism performed by 14: 924.
importance of, in basket making 41: 145.

in rites of the Osage 36: 281.

influence of, on basket making 41: 144.

praying to 35: 619.

regarded as sacred 44: 381.

Cedar Tree Tower, excavation of 41: 29.

Cedar-withe Rope 35: 101.

Cedar Withes

for sewing wood 35: 77, 93.

mention of 35: 111, 115, 119, 120.

Cedar Wood, used for boxes 35: 82.

Cedros, Arroyo de los, crossed by Coronado 14: 584.

Ceh

symbol discussed 16: 261.

symbol in Dresden Codex 16: 261.

Ceiling

plan of, Shupalovi kiva 8: 123, 125, 126.

retention of, original appearance of rooms through 8: 89.

Celastraceae 33: 102.

Celastrus Scandens

medicinal constituents of 44: 304.

medicinal properties of 44: 300.

medicinal use of 42: 661.

Celastrus Scandens—Continued

use of 33: 102; 44: 288, 344, 348, 350.

Celedon, Robert, on Carib numerals 19: 914.

Celery, Wild, use of 45: 473, 483.

Celestin, John, brief account of 45: 274.

Celestine, second chief of Alabama under Antone 42: 193.

Celibacy

among the Omaha 3: 269.

at Zuñi 47: 505

thought to be uncanny 30: 247.

See also Marriage.

Celilo, Smohalla performances at 14: 725.

Cellars, not used in Tusayan and Cibola 8: 143.

Celt Handles 25: 209.

Celtis Occidentalis 33: 76.

Celts

argillaceous limestone, found with flexed burial 41: 600.

ceremonial 34: 176, 178, 251.

characteristic of Greater Antilles 34: 174, 180.

chipped, description of 13: 86.

collection of, from Chiriqui 6: 29-34.

diorite, found in house circles 41: 547.

diorite, reworked 41: 601.

distribution of 15: 142.

engraved 34: 174-183; 38: § 11.

Eskimo 18: 91 *sq.*

evolution of 15: 97.

examples of 2: 203.

fixation of, in handles 38: § 8.

from Barbados 34: 86.

from Dominica 34: 126, 131.

from Guadeloupe 34: 133 *sq.*

from Martinique 34: 131.

from Porto Rico 34: 131.

from St. Lucia 34: 131.

from Trinidad 34: 74.

hematite, description of 13: 86.

how finished 15: 26.

making and blade making compared 15: 102.

manufacture and distribution of 13: 72.

manufacture of 2: 203; 38: § 9.

manufacture of, of shell 2: 203, 205.

Celts—Continued

- materials used in making of 15: 99, 100, 141.
- mention of 25: 89, 92-97, 192; 46: 145, 146.
- monolithic, not found in Lesser Antilles 34: 94.
- monolithic, use of 34: 176.
- monolithic petaloid 34: 173, 174.
- nomenclature of 13: 62.
- of fossil shell 34: 134.
- of Guiana Indians 38: § 6.
- petaloid, called thunder-stones 34: 175, 251.
- petaloid, from Porto Rico 34: 171, 172-183.
- petaloid, from St. Croix 34: 168.
- petaloid, from Tobago 34: 78.
- petaloid, scarce in St. Vincent 34: 94.
- petaloid, typical of Greater Antilles 34: 59, 146, 262.
- shell, where found 34: 59.
- stone 45: 41.
- type of pattern of 38: § 7.
- used in steatite working 15: 133.
- various forms of 13: 73.

Cement

- clay, use of, by American Indians 20: 37.
- used by the Omaha 13: 287.

Cemeteries

- description of 41: 548 *sq.*
- Indian, paper by D. I. Bushnell, jr. 40: 18.
- modern, at Hopi pueblos, Arizona, view of 22, i: LII.
- of Seriland 17: 289*.
- of Sikyatki 17: 646-649.

See also **Burials; Graves; Mortuary.**

Cemetery at Ruin A, Black Falls of Little Colorado River

- description of 22, i: 53 *sq.*
- objects obtained from, description of 22, i: 54.

Cemi

- invocation to 30: 351.
 - nature of 30: 169.
 - worship of 30: 137, 168 *sq.*
- See also* **Zemi.**

Cempoalan, Mexico

- at the conquest 25: 231.
- ceramic art of 25: 251.
- material of mounds of 25: 273.

Cempoalan, Mexico—Continued

- name applied to several places 25: 234.
- ruins of 2: xv; 25: xxviii.
- ruins of buildings of 25: 236-243.
- ruins of, general description of 25: 233-236.

See also **Archeological Objects.**

Cêngoqedí'na. *See* Eagle Phratry, Tlingit.**Cenis, a Caddo synonym 14: 1092.****Census**

- of Alaska natives 46: 178, 181.
- of Cherokee 19: 34, 103, 112, 125, 150, 156 *sq.*
- of East Cherokee 19: 167 *sq.*, 172, 176, 179, 180.
- of United States 46: 322.
- of Yukon 46: 132, 133.
- refugee Indians in 1862 5: 331 *sq.*

Census, Cherokee

- in 1825 5: 240.
- in 1835 5: 289, 377.
- in 1867 5: 351.
- in North Carolina in 1849 5: 313.
- in North Carolina in 1869 5: 314.

Census Schedules, Indian 3: xxv.**Center, pictographs for 10: 587.****Centipede**

- as basketry design 38: § 445.
- cure for bite of 42: 645.

Centizpac, a river in New Galicia 14: 382.**Central Algonquian Languages**

- divisions of 28: 233.
- examples in comparison with 28:
 - Cheyenne 233.
 - Cree 233, 239; 245.
 - Menomini 249, 251.
 - Ojibwa 245.
 - Potawatomi 245.
- reference to 28: 290.
- relationship with Micmac 28: 283.

Central America

- bulletin on languages of 30: 19.
- calendar and antiquities of, papers on 23: xxxviii.
- ethnography of 21: xxiii, xxiv.
- kiáhâ net found in 26: 143.
- linguistic families of 30: 87, 100.
- linguistic material from 23: xxxiv.
- masks of 3: 104.
- memoir on numeral system of 19: XLIV, XLV.

Central America—Continued

- need of investigation in 41: 105.
- petroglyphs in 10: 141 *sq.*
- ruins of, inscriptions of 19: 806.
- was a center of aboriginal distribution 3: 151.

See also Mexico.

Central American Pottery

- forms occurring in 20: 34, 35, 85, 182.
- Florida pottery suggesting 20: 127.
- functional scope of 20: 24.
- groups of 20: 20.
- Gulf Coast ware resembling 20: 109, 113.

Central American Tribes, languages of, study of 22, i: xxxi *sq.***Central Eskimo**

- mention of 46: 359.
- paper on, by Dr. F. Boas 6: 399–669.
- population of 7: 75.
- remarks on paper of F. Boas on 6: LVI, LVII.

See also Eskimo, Central.

Central States, forms of pipes of 20: 45, 98.**Centralization** of Seri body 17: 138*.**Cephaelis Ipecacuanha**, used as an emetic 38: § 920.**Cephalic Index** of the Western Eskimo 46: 229.**Cephalopods**, fossil, veneration for, among the Pueblos 22, i: 107 *sq.***Cephalopterus Ornatus** 38: § 566.**Ceramic Art**

- form discussed 4: 444.
- forms, origin of 4: 269.
- groups of 4: 369.
- ornament discussed 4: 444.

See also Pottery.

Ceramic Decoration, relation of, to history 33: 216.**Ceramic Ware.** *See Pottery.***Cercados de los Indios.** *See Dance Plazas.***Cercis Canadensis**, medicinal use of 42: 665.**Cerehu**, seeds used as bells 38: § 574.**Ceremonial**

- acquisition of, not belonging to family 35: 740.

Ceremonial—Continued

- cannibal 35: 1167.
 - circuit of the Hopi 15: 304.
 - connected with infancy 11: 482.
 - connected with puberty 11: 208.
 - in the scalp dance 11: 526.
 - objects, Siouan 15: 172.
 - of Comox 35: 892.
 - of cult societies 11: 75.
 - of Dahpiké 11: 503.
 - of drinking 38: § 278.
 - of Ghost lodge 11: 487.
 - Siouan 11: 373, 436, 440.
 - stones, description of 15: 103.
 - stones, distribution of 15: 142.
 - stones, made of steatite 15: 109.
 - winter 35: 342, 560, 564.
 - winter, food for 35: 285, 289, 299.
- See also Ceremonies; Ritual; Winter Ceremonial.*

Ceremonial Approach, Wi'-gi-e of 36: 249 *sqq.***Ceremonial Attendant**, Leading, duties of 40: 41, 249, 251, 253, 269.**Ceremonial Attendants**

- betrayal of deeds of 40: 259.
- clothing of 40: 257.
- duties of 40: 41, 123, 257 *sqq.*, 263, 267.
- ideals for conduct of 40: 249, 251, 257.

Ceremonial Baton

- described and figured 14: 72 *sq.*
- meal, use of, on Moki trails 14: 488.

See also Batons.

Ceremonial Calendar

- Acoma 47: 67 *sq.*
- Isleta 47: 289 *sq.*
- Zuñi 47: 512, 534–540.

Ceremonial Chamber

- assembly of dancers in 23: 458, 459.
 - at Four-mile Ruin, mention of 22, i: 173.
 - dancing 23: 460 *sq.*
 - of the Zuñi 23: 597–600.
 - preparation of openings into 23: 476.
 - repair of 23: 227.
- See also Kiva.*

Ceremonial Chart

New Holland 4: 197.
pictographs in 4: 194-197.

Ceremonial Circuit of the Hopi

17: 681.

Ceremonial Days

in Hopi elaborate festival 21: 20.
of the Flute rite at Mishongnovi
19: 988-993.

Ceremonial Fires

at celebration of rites 41: 506 sq.
at erection of mound 41: 499 sq.,
509.
fire bowl containing 41: 504.

Ceremonial Forms, a handicap

36:
66.

Ceremonial Grounds

arrangement of 42: 205-235.
origin of 42: 59 sq.
seating in 42: 174-241.
See also Busk Ground.

Ceremonial Groups

47: 254-274.

Ceremonial Houses

at Isleta 47: 209.
mention of 35: 738; 42: 702.

Ceremonial Interval, four days as

35: 709.

Ceremonial Number

mention of 47: 132, 284.
See also Four.

Ceremonial Objects

Eskimo 18: 393-421.
from Florida, collection and study of
18: xxx, xxxi.
from Zuñi and Sia, collection and
study of 18: xxxii sq., XLVII.
of ivory 46: 173.
See also Axes; Batons; Celts; Col-
lars; Knives; Swallow-sticks;
Three-pointed Stones; Zemis.

Ceremonial Observances

in dance, Tewa 24: 643.
in double ball, Hopi 24: 648 sq.
in racket, Iowa 24: 615.
in racket, Navaho 24: 435 sqq.
in racket, Oglala Dakota 24: 434
sq.

Ceremonial Organization

at Oraibi 47: 357.
discussion of 47: 345 sq.
influence of clan on 37: 204.
Isleta 47: 254-274.
position of, among Pueblo cultures
47: 345-348.

**Ceremonial Paraphernalia of Tu-
sayan, taken by the Navaho**

8: 50.

Ceremonial Rooms

reference to 28: 142.
types of 28: 150.
See also Kihus; Kiva.

**Ceremonial Slabs, stone, from Pueblo
Viejo ruins, cuts showing**

22, i:
185, 186.

**Ceremonial Smoking, by the Arap-
aho**

14: 918.

Ceremonial Stones, description of

13: 115.

Ceremonial Uses

influence of, on decoration of pot-
tery 20: 64, 65, 67, 100.
influence of, on forms of pottery
20: 62.
pottery for, eastern United States
20: 24, 25, 34, 36 sq.
pottery for, Florida Peninsula 20:
119.
pottery for, Middle Mississippi Val-
ley province 20: 83.
pottery for, South Appalachian
province 20: 138.
See also Mortuary; Mythology;
Religion.

Ceremonialism

phases of 47: 63, 125.
Zuñi 47: 507 sqq.

Ceremonials

memorizing of 36: 67.
of Siouan tribes 15: 174.
of the Hopi 15: 251.
of the hunt, Zuñi 2: 33.
theistic, of Siouan Indians 15: 184.
Zuñi, character of 13: 375.
Zuñi, orientation in 13: 370.

Ceremonies

accompanying kiva construction 8:
115, 118.
affected by United States Govern-
ment 47: 58.
after burial 47: 249 sq.
aliens excluded from 47: 206.
appearance of katchinas in 21: 15.
Arapaho Peyote 37: 415-419.
begging 37: 387
Cochiti, of purification 47: 531.
connected with burials 42: 389-
398.

Ceremonies—Continued

- connected with food gathering 45: 453.
- connected with new corn 44: 262.
- connected with relation of myths 11: 369.
- connected with Tusayan house building 8: 100-104, 168.
- curing 47: 339 sq., 531 sq., 533.
- development of 19: LXXVIII sq.
- diffusion of 40: 547, 548.
- duties of governor at 47: 55.
- ends served by 47: 63.
- five aspects of 47: 508.
- for healing the sick 44: 258.
- for rain 47: 82 sqq., 330 sq., 514 sq., 530, 540, 886.
- four types of 37: 317.
- in honor of masks 47: 854 sqq.
- Isleta 47: 290-340.
- Ki'no^a 43: 33 sq.
- Ki'no^a, purpose of 43: 36.
- moiety transfer 47: 330.
- monthly 42: 522, 534.
- object of 47: 140.
- of adornment 45: 554 sq.
- of approach to House of Mystery 45: 707-710.
- of blowing on symbolic skins 45: 544-547.
- of conducting the Xo'-ka 43: 67.
- of Corn group 47: 290-300.
- of crowning warriors 42: 420.
- of decorating the Xo'-ka 43: 33 sq.; 45: 703-707.
- of drinking cassine 42: 300.
- of "first fruits" 45: 290 sq., 357.
- of general cleansing 47: 307-314.
- of Horned Serpent 47: 301 sq.
- of hunt chief 47: 336 sq.
- of inducting war chief into office 42: 299 sq.
- of initiation 45: 684; 47: 48 sqq., 71-75, 99, 112 sqq., 263, 315 sqq., 478, 540 sq., 795-803, 975-980.
- of installing cacique 47: 44.
- of installing war chiefs 47: 46.
- of Kiowa, study of 18: XLIV sqq.
- of making symbolic moccasins 36: 239-242; 45: 699-703.
- of Medicine dance 37: 362-374.
- of medicine societies 47: 109, 265, 301, 529, 531 sq., 533 sq.
- of name-giving 42: 102.

Ceremonies—Continued

- of naming child 47: 133.
- of Night feast 37: 329-343.
- of peace making 42: 441 sqq.
- of Pueblo Indians 14: 544, 550, 573.
- of return of war party 37: 158.
- of Salt Woman 47: 336.
- of sending 36: 91, 155 sq.
- of shaping the moccasin 45: 547 sq.
- of Soldier's dance 37: 385.
- of stepping over grave 37: 151.
- of the Coeur d'Alène 45: 176-197.
- of the Flathead 45: 386, 389, 394.
- of the moon 47: 330.
- of the Peyote cult 33: 105.
- of the Tiguex Indians 14: 595.
- of throwing out buckskins 37: 431, 513, 544.
- of wake 37: 141-144.
- of weaving mat for shrines 45: 687-693.
- Omaha, at death 3: 229, 233.
- Omaha, on the fifth day after birth 3: 245.
- orientation in 47: 529.
- painting 36: 242.
- paraphernalia of 47: 856-864.
- performed at placing of Zuñi ladders 8: 160.
- personation of gods in 21: 13.
- plants used in 30: 87-100.
- preliminary, of the Ni'-ki degree 36: 153 sq.
- Pueblo, studied by Dr. J. W. Fewkes 14: 359.
- rôle played in, by clans 47: 39.
- scalp 47: 326-329.
- solstice 47: 219, 290-300.
- summer, object of 47: 539 sq.
- time given to 47: 476.
- time of, set by cacique 47: 41.
- use of drums in, by American aborigines 20: 34.
- use of pipes in, eastern United States 20: 44.
- usual form of 47: 507.
- Wa-the'-the, the sending 43: 38 sqq.,
- winter, object of 47: 539.
- See also* **Dances; Dedication; Katinas; Rain-making; Rites; Rituals.**
- Ceremonies, Snake**, memoir on 16: 267-312.

- Cereso**, *Father*, cited 30:137.
Cereus Giganteus. *See* Saguaro.
Cereus sp., eaten by Guiana Indians 38: § 247.
Cereus Thurberii. *See* Pitahaya.
Ceron, distribution of slaves by 25: 23.
Cerrito, population of 26: 21.
Certificate of Tshekat-shakemau 14: 45.
Cervantes, a Spanish soldier 14: 503.
Cessions of Land
 by Indians 2: xxiii.
 by Indians, in Indiana 1: 257.
 mention of 1: xxvii, 249.
 original and secondary 1: 156.
Cevola. *See* Cibola.
Ch', phonetic value of 16: 218, 226.
Cha land cessions and reservations 18: 786.
Ch'ab, meaning of 16: 253.
Chabin day symbol discussed 16: 252.
Chábin, an Assiniboin division 15: 161.
Chac
 a Maya rain god 16: 208, 238.
 definition of 16: 226, 251.
 symbol in Dresden Codex 16: 225 sq.
Chacbolay, meaning of 16: 226.
Chachihuitlicue 1: 237.
Chackinil, definition of 16: 261.
Chaco Canyon, New Mexico
 archeological work in 37: 4.
 declared a national monument 28: 18.
 excavations in 44: 9.
 implements found in 24: 648.
 work done in 45: 6.
Chaco Ruins
 and old world ruins compared. 16: 80.
 character of 8: 14, 70.
 compared with Kin-tiel 8: 92.
 comparison with Casa Grande 13: 186.
 finish of masonry of 8: 140, 226.
 finish of woodwork of 8: 149, 184.
 loop-holes in walls of 8: 198.
 symmetry of arrangement of outer opening of 8: 195.
 upper story, partitions of, supported by beams 8: 144.
Chaco Valley
 description of 17: 478, 479.
 mention of 4: 315.
Chadron builds house 4: 114.
Chaenactis Douglasii 45: 473.
Chaetophora 33: 61.
Chaffee, Capt. A. R., Kiowa camp destroyed by 17: 211.
Chageluk, census 46: 132.
Chahrarat, Pawnee name of the Sioux 14: 1057.
Chaima Indians, religious beliefs of the 30: 118, 139.
Chaimiut 46: 196, 200.
Chain (or Connected) Mounds, where found 12: 536.
Chain-twist pattern of weaving 38: § 112.
Chairs
 baby's hanging 38: § 913.
 lack of, in Pueblo houses 8: 212.
 of modern form in Zuñi 8: 213.
 tabooed in Hopi kivas 17: 626.
Cha'kaní'nā, a Caddo mythic cave 14: 1093.
Chakchiuma, identical with Ranjel's Sacchuma 42: 39.
Chakekenapok in Potawatomi myth 14: 207.
Chakta. *See* Marriage; Masks; War.
Cha'kwena
 action of, with the first rabbit killed 23: 92.
 arrival of 23: 140.
 departure of 23: 140.
 personator of 23: 140.
 visited by personators of her people 23: 140.
Chalaque
 De Soto's visit to 19: 24, 194.
 See also Synonymy; Tsa'lăgi'.
Chalcedony, formation of 44: 507.
Chalchihuitl, an Indian amulet 9: 588-591.
Chaleur Bay, face decoration of Indian women of 10: 220.
Chalit 46: 193.
Chalitmut
 ceremonial objects from 18: 415.
 clothing of people of 18: 37 sq.
 condition observed at 18: 251.

Chalitmut—Continued

- implements and utensils from 18: 67, 68, 70, 73, 76, 81, 89, 105 *sq.*, 107, 109, 116, 137, 141, 143, 146, 147, 148, 163, 164, 168, 195.
- ornaments from 18: 54, 56, 59, 60, 62.
- shamanistic rites witnessed at 18: 432.
- tobacco implements from 18: 274, 278 *sqq.*
- toys from 18: 345.
- transportation apparatus from 18: 211, 226, 228.

Chalk Grade, Owen's Valley, Calif., petroglyphs at 10: 58, 59.

Challam Indians, illustrations of ornamentation by 6: 207.

Challenge

- pictographic form of 10: 362.
- to war 4: 88.

Chalmers, George, quoted on Maryland's Indian policy 18: 569 *sq.*

Chalowe, description of 8: 83.

Chamaesyce Serpyllifolia 33: 99.

Chamber

- ceremony with fetishes in 23: 463.
- position of novices in 23: 476.

Chamberlain, Dr. Alexander F.

- acknowledgment to 29: 12.
- material collected by 36: 20.
- mention of 46: 329, 331, 333, 346, 367.
- on hand game, Kutenai 24: 286 *sq.*
- on Mississauga curing wild rice 19: 1065, 1066.
- on Mississauga threshing wild rice by flailing 19: 1069.
- on Mississauga wild rice floods 19: 1063.
- on threshing wild rice in deerskin lined hole 19: 1068.
- work of 24: xxvi; 26: xxiv; 34: 21.

See also **Boas, F.**, and **Chamberlain, A. F.**

Chamberlain, T. B., examination of quarry shops by 15: 52.

Chametko, land cessions and reservations 18: 786.

Chametla. *See* **Chiametla**.

Chamita, on site of Yuqueyunque 14: 510, 525.

Chämnä', location of 14: 739.

Chämnä'pûm, sketch of the 14: 739.

Champayan Lagoon

- mounds on 26: xv.
- ruins near 25: 276.

Champlain, Samuel de, cited 7: 78; 12: 618; 30: 20.

Champollion, —, Egyptian negation signed by 16: 212.

Chamuscado, F., expedition of 13: 326.

Chamuscado, Sánchez, Acoma visited by 47: 25.

Chan, meaning of 16: 230, 232.

Chanabal

- method of forming numbers above ten 19: 906.
- number names of 19: 862.

Chanca, Doctor —

- letter of, discussed 25: 77.
- on Antillean mortuary customs 25: 212 *sq.*
- on Borinquenios 25: 208.
- on Carib cannibalism 25: 50.
- on natives of Guadeloupe 25: 198 *sq.*
- on second voyage of Columbus 25: 203.
- on the utia 25: 49.

Chance, Sylvester 46: 31, 99, 114, 172, 181.

Chance

- influence of, on Seri life and mind 17: 266*, 267* *sq.*
 - part played by, in games 19: LXVIII *sq.*
- See also* **Games of Chance**.

Chandeswar, India, cup sculptures at 10: 196.

Chanelkai, land cessions and reservations 18: 784.

Change

- of habitat modifies ideas 4: 370.
- of names, Antillean custom of 25: 34, 36.
- of residence 38: § 292.

Channing, Edward, acknowledgment to 14: 339.

Chanter, Navaho 5: 385 *sqq.*

Chanting

- among Siouan Indians 15: 184.
- See also* **Musical Accompaniments**.

Chants

- in Navaho ceremonial 8: 245, 246.
- Menomini ceremonial 14: 78, 79, 86 sq., 105.
- of Hekäpa'kwe Ca'lako 47: 762-776.
- of Sayataca 47: 710-762.

Chapin, F. H.

- cliff ruins visited by 16: 81.
- on openings of Mancos ruins 16: 165.
- on kiva decoration 16: 181.

Chapine, reservation for 18: 716.**Chaplets of Seeds, events recorded in 42: 455.****Chapman, Lieut. A. B., census of Pima and Maricopa by 26: 20 sq.****Chapman, Arthur, interview of, with Wovoka 14: 766.****Chapman, C. O., collection presented by 41: 116.****Chapman, José, owner of Burton Mound 44: 57.****Chapman, Dr. J. W. 46: 31, 56, 60.****Chapman, Joseph, mention of 42: 8.****Chapman, K. M.**

- acknowledgment to 29: 38.
- references to 29: 465, 466.

Chapman, Robert H., specimens collected by 37: 30.**Chappahsim, land cessions and reservations 18: 782.****Character**

- of Pueblo art 4: 266.
- of the Eskimo 18: 296, 298, 300, 301 sqq.
- of the Indian 46: 593-602.
- of the Omaha, summary of 27: 112 sqq.
- of the Seri 17: 83, 85, 92, 95, 96 sq., 100 sq., 102, 103, 106.

Characterization of accompanying papers 15: xciii.**Charcoal**

- deep 46: 67.
- Eskimo paint made of 18: 198.
- for painting the face 35: 899.
- in ancient quarry pits 15: 65.
- magic power of 28: 47, 52.
- Navaho method of preparing 2: 175.
- on warriors' faces 45: 644, 646.
- sacred, a symbol of fire 39: 113.

Charcoal—Continued

- sacred, songs relating to 39: 213, 327.
- sacred, use of 39: 327.
- sacred, wi'-gi-e of 39: 214 sqq.
- use of, in medicine 14: 136.

Charency, Le Comte H. de

- cited 2: 282.
- cited on Mexican symbolic colors 10: 625.
- on Aztec number names 19: 878 sq.
- on Chiapanecan number names 19: 874.
- on Chichimecan number "four" 19: 876.
- on formation of Mayan number names 19: 865.
- on Mame numerals 19: 903 sq.
- on Mexican calendar symbols 3: 41, 48, 49.
- on Mixtec number names 19: 872.
- on Opata and Cahita number names 19: 867.
- on Othomi number names 19: 873.
- on Quekchi numerals 19: 901 sq.
- on Sonoran number names 19: 868.
- on Shoshone number names 19: 869, 870.
- on Tarahumare numbers 19: 923.
- on Tzotzil number names 19: 863.

Charger

- Blackfeet gentes given by 15: 219.
- on gentes of Two Kettles 15: 220.

Chargers, powder, of the Eskimo 18: 164 sq.**Charity**

- nature of 20: LXXXIII sq.
- Omaha 3: 274.

Charles I.

- charter granted by 18: 551.
- commission appointed by 18: 551.

Charles II, respect for proprietary rights under charter shown by 18: 530.**Charles, Chief Abram**

- material obtained by 38: p. 7.
- text dictated by 48: 12.

Charleston, S. C.

- founding of 18: 630 sq.
- purchase of land for site of 18: 631.
- trail to 42: 751.

Charleston, W. Va.

- mounds near 5: 51, 53, 55.
- remains below 42: 755.

Charleville, —, on Cherokee wars 19: 371.

Charlevoix, P. F. X. de

- a source of information 42: 680.
- cited 12: 618, 668.
- mention of 46: 329.
- on aboriginal Antilleans 25: 28, 29.
- on Antillean amulets 25: 139.
- on Antillean dances 25: 69.
- on capture of parrots by Antilleans 25: 50.
- on Carib canoe making 25: 208.
- on cave of Yobobala 25: 56.
- on derivation of Moquis 7: 77.
- on dice games, Huron 24: 106 sq.
- on dice games, Iroquois 24: 113 sqq.
- on foods of Antilleans 25: 49 sq.
- on Fox Indian early habitat 14: 19.
- on Haitian ceremony for crops 25: 67.
- on Haitian creation legends 25: 74.
- on Huron jugglers 14: 139.
- on implements from Amazon Valley 25: 93.
- on Jamaican mortuary customs 25: 71.
- on jugglery 14: 152 sq.
- on Menomini use of wild rice 19: 1048.
- on nature of Green Bay area 19: 1112.
- on Oto habitat 15: 195.
- on polygamy among Carib 25: 48.
- on racket, Miami 24: 269.
- on stick game, Miami 24: 231.
- on suicide of Antillean women 25: 53.
- on the Menomini 14: 34, 36; 19: 1107.
- on tossed ball, Miami 24: 708.
- temple described in journal of 41: 508 sq.

zemis figured by 25: 156.

Charley, escape, surrender and shooting of 19: 137, 157, 158.

Charlie Hope Stations, steatite pits at 15: 132.

Charlier, C. V. L. 46: 367.

Charlotte, trail through 42: 778.

Charlotte Court House, Va., trail from, to Kentucky 42: 764.

Charms

- against sea monsters 35: 608.
- animal symbols used as 46: 412.
- belief in 30: 180, 181, 197, 233 sq., 270; 46: 495.
- beliefs concerning 45: 196, 394 sq.
- blue hellebore used as 35: 175, 608.
- carried in medicine bags 45: 193.
- chiton 35: 650.
- Guiana Indian, in necklaces 38: § 532, 535.
- hunting, among the Menomini 14: 67.
- in warfare 45: 118 sq.
- lizard used as 35: 645, 646.
- love, of the Menomini 14: 154, 155.
- mention of 4: 201 sq.
- octopus used as 35: 649-652.
- of the Eskimo 13: 115.
- of the Zuñi 2: 44.
- Peucedanum seed used as 35: 175, 608.
- plants used as 44: 375 sq.; 45: 505.
- snake tail used as 35: 649 sqq.
- to insure crops 44: 436.
- toad feet used as 35: 649 sqq.
- use of 45: 505.
- use of, in the Southwest 44: 252.
- used in childbirth 35: 649 sqq.
- See also* **Binas; Kickshaws; Medicines; Talismans.**

Charms and Amulets 10: 501-505.

Charm Stones from Sikyatki 17: 729.

Charm Trophies of the Seri 17: 259* sqq.

Charmed Suit, Iroquois tale of 2: 92.

Charnay, Desiré

battlemented structure figured by 16: 246.

day symbol copied by 16: 207.

Charred Roof Timbers of Tusayan kiva 8: 120.

Charring, fabrics preserved by 13: 35.

Charts

of geographic features 4: 157.

of Omaha kinship 3: 254.

tattooed 4: 86.

Chase, —

- on Klamath arrow-chipping 13: 142.
- on Oregon bone needles 13: 117.
- on Oregon ceremonial knives 13: 116.
- on stone-chipping 13: 141.

Chase, A. W.

- on shinny, Mikonotunne and Mishikhwutmetunne 24: 623.
- on stick game, Mikonotunne and Mishikhwutmetunne 24: 236.

Chase, Dr. William 45: 35.**Chase**

- methods of the 11: 277, 316.
- usages connected with the 11: 274.

Chase and War, collection of implements of 3: 581.**Chasing Silver**, Navaho method of 2: 176.**Chasing Hawk**, vision of 14: 797, 821.**Chasm Island, Australia**, petroglyphs in 10: 161.**Chasta**

- land cessions and reservations 18: 796.

See also Siletz Reserve.

Chastisement 38: § 914.**Chastity**

- among Guiana Indians 38: § 733.
 - attitude toward violation of 46: 482.
 - considered laudable 40: 81.
 - of captives, violation of 46: 553.
 - Zuñi attitude toward 47: 875.
- See also* Adultery; Virginity.

Chat. *See* Huhu.**Chata Language**, studied by Prof. O. T. Mason 2: xxii.**Chatard, F. E.**, on African knife 4: 243.**Chatard, T. M.**, on African knife 4: 243.**Chatelain, Heli**, on Angolan folk tales 19: 442, 446, 447, 450, 452, 453.**Cha'tha**, Arapaho name of the Comanche 14: 1043.**Chatham County, Ga.**, pottery from 20: 133, 136.**Chato, Juan**, fire ritual taught to 47: 356.**Chattahoochee River.**

- Muscogee settled on 42: 45.
- place of, in Creek migration legend 42: 39.
- Yuchi settled on 42: 46.

Chattanooga, Tenn.

- mounds near 5: 77.
- old Indian towns at 42: 839.
- trails touching 42: 750, 839 sq.

Chaudière

- a Colville synonym 14: 732.

See also Colville Indians.

Chaui Band of Pawnee Tribe, obtaining of record of Hako ceremony from 22, ii: 13.**Chaulpay**, a Colville synonym 14: 732.**Chautauqua Lake, N. Y.**, indications of ancient works on the shores of 12: 505.**Chauvignerie, —**

- on Assiniboin habitat 15: 191.
- on Winnebago habitat 15: 196.

Chavero, Alfredo

- archeological objects figured by 25: 256, 280.
- on Mexican and Hindu counting 19: 875 sq.
- on Nahuatlan counting 19: 878.
- on Nahuatlan water symbol 17: 569.
- on route of Cortés 25: 244.
- views of, on Mexican symbols 3: 46, 48, 49, 52, 54, 55.
- work of, concerning symbolism 21: 13.

Chaves, Francisco

- cat's cradle furnished by 24: 770.
- information furnished by 24: 669, 793.
- on dice games, Keres 24: 121.
- on quoits, Keres 24: 724.
- on shinny, Keres 24: 629.

Chaves Pass

- ruins at 17: 532, 573.
- turquoise frog from 28: 131, 144.

Chaves Pass Ruins

- asbestos found at 22, i: 110 sq.
- bone implements from, similarity of, to those of Four-mile Ruin 22, i: 164.
- bone implements from, views of 22, i: 94.
- bowls from, bird designs on, description and figures of 22, i: 75, 76.
- bowls from, geometrical figures on, description and figures of 22, i: 84.

Chaves Pass Ruins—Continued

- bowls from, quadruped designs on, description and figures of 22, i: 71, 72.
- bowls from, views of 22, i: xxviii, xxix.
- building material used at 22, i: 33.
- burials at 22, i: 34.
- cloth fragments discovered at 22, i: 97.
- collections at, study of 22, i: xviii.
- copper bell from, cut showing 22, i: 111.
- crania from, collection of 22, i: 34, 110.
- date of work on 22, i: 17.
- description of 22, i: 33.
- dog's skull found at, features of 22, i: 27.
- gorget from, cut showing 22, i: 86.
- horn objects from, reference to 22, i: 96.
- human crania from, collection of 22, i: 34, 110.
- Kaslin cup from, cut showing 22, i: 96.
- location of 22, i: 23, 32.
- matting from 22, i: 98.
- metates found in graves at 22, i: 104.
- mosaic ornaments found in 22, i: 85, 86 sq.
- pottery from, similarity of, to that from Verde and Gila-Salado Valleys 22, i: 34.
- prayer-sticks from, description of 22, i: 100.
- shell ornaments from 22, i: 88, 89, 90, 91, 92.
- skulls from, collection of 22, i: 34, 110.
- specimens collected at, number of 22, i: 18.
- stone implements found at 22, i: 102 sq.
- Chavez, Candelaria**, story concerning 47: 207.
- Che**, definition of 16: 260.
- Cheatham County, Tenn.**, remains in 41: 89, 496.
- Cheboygan Chippewa**, reservation for 18: 810.
- Chechawkose's Band**, cession of reserve for 18: 762, 766.

Checker, decorative use of, in Hopi pictures 20: 83.

Checker Designs

- in stamp decoration, Florida Peninsula pottery 20: 123.
- in stamp decoration, New Jersey-New England pottery 20: 176, 177 sq.
- in stamp decoration, South Appalachian pottery 20: 133 sq.
- use of, in color decoration, eastern United States pottery 20: 67.
- use of, Middle Mississippi Valley pottery 20: 86.

See also **Girdle Designs**.

Checkers

- among Northern Indians 11: 323.
- Indian 24: 796.

Checkerwork in designs 41: 248.

Checom, land cessions and reservations 18: 784.

Checks, interpretation of, in basketry 41: 322.

Cheek deformation among Guiana Indians 38: § 504.

Cheeschapahdisch. *See* **Cheez-tah-paezh**.

Cheese. *See* **Ki'satc**.

Cheese-straw Game 24: 730.

Cheever, —

- on arrow-chipping in California 13: 138, 143.
- on Indian stone-chipping 13: 141.
- on spirally-feathered arrows 13: 178.

Cheez-tah-paezh

account of 14: 706.

See also **Sword-bearer**.

Chegliugh 46: 176.

Chehalis

- land cessions and reservations 18: 832, 920.
- membership in Shaker church 14: 759.
- population of 7: 105.
- Shaker religion among the 14: 747.

Chehalis Reserve, reservation for 18: 674.

Chehalis Tribe

- basketry of 41: 136.
- dialect of 41: 383.

Chehchuh, reservation for 18: 674.

Cheil, definition of 16: 260.

Cheirization of the Seri 17: 157* sq.

Chekase's Band

- cession of reserve by 18: 758.
- reservation for 18: 740.

Chekili

- Creek head chief 42: 33.
- legend given by 42: 33-38.
- mention of migration legend by 42: 576.
- possible meaning of the name 42: 33.
- speech of, on bison skin 42: 455.

Chekisschee, a Lower Spokane synonym 14: 732.

Chelahitsa, *Chief Alexander*, an informant 45: 263.

Chelan, a Pima chief 26: 21.

Chelan Lake, Wash.

- petroglyphs at 10: 33, 122 sq.
- pictographs at 4: 26.

Chelaque, identical with Cherokee 5: 89, 135.

Chelly

- origin of name of 16: 79.
- See also Canyon de Chelly.*

Chelly Canyon

- cliff houses in 17: 578.
- occupied by the Navaho 17: 483.
- See also Canyon de Chelly; Tségi.*

Chelly Valley, treaty of 18: 780.

Chemakum Tribe, basketry of 41: 136.

Chemehuevi

- a Paiute offshoot 14: 1048.
- arrow making by the 14: 275.
- bows of the 14: 281.
- Ghost dance among the 14: 805, 814.
- habitat and population of the 7: 110.
- number names of the 19: 870, 876, 923, 929.
- stone arrowpoints of the 14: 283.
- stone chipping by the 14: 283.
- stone implements of the 14: 256.

Chemi. *See Zemi.*

Chemical Peculiarities, Eskimo 46: 366.

Chemin (fem.). *See Cemi; Familiar Spirits.*

Chemisez, Pima village 26: 21.

Chenapodium Murale, Pima food plant 26: 73.

Chenco or Chungke game 13: 99.

Cheney, T. Apoleon.

- cited 12: 506, 543, 548.
- description of burial pits or ossuaries by 12: 546.

Chenko. *See Chunkey.*

Cheno, land cessions and reservations 18: 784.

Chenopodiaceae 33: 78.

Chenopodium Album 33: 78.

Chenopodium Ambrosioides, medicinal use of 42: 657.

Chenopodium Botrys 45: 502, 503.

Chenos Island, reservation of 18: 756.

Cheowa Maximum, myth concerning 19: 405.

Chequamkako's Band

- cession of reserve by 18: 762.
- reservation for 18: 742.

Cheraw

- Cherokee relations with 19: 14, 380.
- pearls found in 42: 739.
- sketch of 19: 498.

Cherino, Pero Almidez. *See Almidéz.*

Cherokee

- adoption of constitution by 5: 241, 295.
- alphabet of the 10: 655.
- aquatic burial of the 1: 180.
- attack by the, on Coweta 42: 54.
- baptism among the 26: 188.
- basketry of the 13: 16.
- bathing, rubbing and bleeding in medical practices of the 7: 333-336.
- battle of, with the Shawnees 10: 122.
- belief of, concerning comets 42: 478.
- belief of, concerning springs 41: 603.
- belief of, concerning the buffalo 41: 611.
- black pottery of 41: 522.
- buildings used by, as temples 41: 501 sq.
- burnt captives in mounds 12: 676.
- busk ceremonies of the 42: 602.
- cedar in mythology of the 14: 809.
- cessions of land by the 15: 130, 131.

Cherokee—Continued

- charge United States with bad faith
5: 296.
- collection among the 22: i: xxxix.
- conception of the sun 14: 971.
- connection of, with South Appala-
chian ware 20: 143 *sq.*
- color symbolism of 7: 342 *sq.*
- cultural distinctions of the 42:
712.
- customs of the 41: 608.
- design from basket of 20: 171.
- exhibit relating to 17: LVIII.
- field work among the 22, i: xii.
- final peace with 42: 61 *sqq.*
- financial difficulties of the 5: 318,
320.
- food of the, eaten cold 42: 521.
- games of the 24:
dice games 105.
hoop and pole 421, 475, 487.
racket 562, 563, 574-588.
- gods of the, and their abiding places
7: 340 *sqq.*
- Gordon people driven out by 41:
556.
- habitat and population of the 7:
78 *sqq.*
- habitat of the 20: 142, 143, 159.
- jurisdiction of the 5: 369.
- known by North Carolina and Vir-
ginia settlers 5: 138, 139.
- land cessions and reservations 18:
630, 633, 634, 639, 652, 660, 668
sqq., 672 *sqq.*, 680, 682, 684, 696,
720, 744 *sqq.*, 754, 778, 840, 848,
878, 886, 888, 918, 920, 946.
- lands purchased from 27: 57.
- linguistic relationship of 20: 142;
42: 712.
- linguistic work among the 10: xv
sq.
- manuscripts of, containing sacred
medical and other formulas, char-
acter and age of 7: 307 *sq.*
- map made by 10: 341.
- material prosperity among the 5:
260.
- meaning and derivation of name
19: 182 *sq.*
- medical practice of the, list of plants
used in 7: 324-327.
- Medicine dance of the 7: 337.
- medicines of the 42: 666.

Cherokee—Continued

- memoir on myths of 19: xxxvii
sqq., 3-548.
- memorials of the, in Congress 5:
275, 277, 289.
- migration of the 5: 136.
- modern manufacture of pottery of
the 20: 20, 52, 53-56, 71, 130,
131 *sq.*, 142, 173.
- modern pottery of the 20: 134, 143
sq.
- mound builders 12: 175.
- myth of the cedar 14: 979.
- mythology of the 24: 563, 578,
580.
- myths of the 21: xxix; 22, i:
xxxiv *sq.*
- new treaty proposed in 1854 by the
5: 320.
- paper on sacred formulas of, by J.
Mooney 7: 301-397.
- peace pipe of the 14: 1063.
- pictographs of the 4: 33.
- pipes made by the 42: 704, 736.
- political excitement in 1860 among
the 5: 324.
- Ponca name for the 27: 103.
- population of the 5: 142, 377, 378.
- potter's paddles of the 10: 665.
- pottery of the 4: 371.
- power of Shawano prophet among the
14: 676.
- probably mound builders 5: 60,
87-107.
- progress in civilization of the 5:
240.
- proportion of warriors to population
14: 33.
- proposed removal of 5: 202.
- proposition of the, to become citizens
5: 274.
- protest against claims in Georgia
5: 272.
- references to customs of the 11:
369.
- references to relationship terms of
the 42: 96.
- removals of the 5: 214-218, 222,
228, 254, 258, 260, 292, 341.
- religion of the 7: 319.
- resemblance of Pamunkey pottery to
that of 20: 152.
- rotunda (Tcokofa) of, description of
42: 178 *sq.*

Cherokee—Continued

- sacred formulas of the 36: 12.
 sacred regard of, for the crow 14: 982.
 sacred regard of, for the eagle 14: 1100.
 situation of, west of Mississippi 5: 221, 292, 293.
 social divisions among the 42: 695.
 studies of fraternities, cults, and myths of 19: XXVI, XLVII.
 study of works of 11: XXVI.
 symbolic colors of the 11: 532.
 symbolic use of colors by 10: 624-634.
 the Southern Confederacy and the 5: 326, 332, 333, 342.
 trade of the 42: 736.
 treaties with the 5: 133-178.
 treaty of 1866 with loyal 5: 346.
 treaty of 1868 concluded with the Southern 5: 346.
 treaty relations of, with the United States 5: 152.
 tribal tradition of the 17: 142.
 type of buildings of 42: 191.
 unification of eastern and western 5: 294.
 use of fabrics by the, in pottery manufacture 20: 71.
 war against the 42: 773 *sqq.*
 war color of the 10: 631.
 war with the 5: 170.
 weaving by the 13: 23.
 work among the, of James Mooney 34: 13.
 work on language of the 10: XIX.
 works on myths of the 20: XXII *sq.*
Cherokee and Creek, boundary disputes 5: 266.
Cherokee and Osage, difficulties between 5: 242.
Cherokee and Tallegwi, relation of 5: 60.
Cherokee, East, investigations among 33: 17.
Cherokee Advocate
 establishment of 19: 111, 112.
 myths published by 19: 272 *sq.*, 449, 450.
 on treaty with South Carolina 19: 31.
 on Western Cherokee history 19: 146.
 revival of (1870) 19: 147, 151.
 95719°—33—14

Cherokee Agency

- attempt to annul treaty of 19: 104.
 proposal made at treaty of 19: 113.
 treaties of 19: 102, 120.
Cherokee Almanac, establishment of 19: 112.
Cherokee Ball-play Dance 24: 600 *sq.*
Cherokee Boundaries 42: 758.
Cherokee Boundary of 1875, dissatisfaction with 5: 160.
Cherokee Boy, reservation for 18: 690.
Cherokee Census
 in 1825 5: 240.
 in 1835 5: 289, 377.
 in 1867 5: 351.
Cherokee Cessions to the United States, area of 5: 378.
Cherokee Citizenship 5: 367.
Cherokee Clans
 equated with Natchez clans 42: 118.
 listed by J. Mooney 42: 118.
Cherokee Confederate Regiment, desertion of 5: 329.
Cherokee Constitution 5: 374, 375.
Cherokee Country, boundaries of 5: 205, 354, 365.
Cherokee Formulas
 paper on, by James Mooney 41: 56.
See also Cherokee Sacred Formulas.
Cherokee Hostilities 5: 170, 173.
Cherokee Indians. *See Cherokee.*
Cherokee Lands
 appraisal of, west of 96° 5: 361.
 cession and sale of 5: 348.
 purchase of 5: 210.
 removal of white settlers from 5: 322, 323.
Cherokee Messenger, establishment of 19: 112.
Cherokee Nation
 political murders in 5: 297, 303.
 researches in 28: 12 *sq.*
Cherokee Nation of Indians, by C. C. Royce 5: XLII-XLIV, 121-378.
Cherokee Neutral Land
 cession of 18: 840, 848.
 grant of 18: 754.
Cherokee Outlet
 cession of 18: 840, 888, 946.
 establishment of 19: 124, 139, 142.

Cherokee Outlet—Continued

grant of 18: 888, 946.

*See also Cherokee Strip.***Cherokee Path**

to Virginia 42: 752 sq.

*See also Old Cherokee Path.***Cherokee Phoenix**

establishment of 19: 111, 112, 217 sq.

on Sequoya's ancestry 19: 108.

suppression of 19: 123.

Cherokee Sacred Formulas

collected by James Mooney 37: 7 sqq.

for ague and fever 7: 359-363.

for ball play 7: 395 sqq.

for biliousness 7: 365 sq.

for childbirth 7: 363 sq.

for destroying an enemy 7: 391-395.

for finding something 7: 386 sq.

for going to war 7: 388-391.

for hunting and fishing 7: 369-375.

for inspiring love 7: 375-384.

for killing a witch 7: 384 sqq.

for neuralgia 7: 356-359.

for ordeal diseases 7: 367 sqq.

for preventing a storm 7: 387 sq.

for rheumatism 7: 345-351.

for snake bites 7: 351 sqq.

for worms 7: 353-356.

language of 7: 343 sq.

notice of paper on 7: xxxix sq.

Cherokee Settlements in Tennessee 42: 749.**Cherokee Strip**

cession of 19: 153.

establishment of 19: 124, 139, 142.

settlement of other Indians on 19: 150, 151.

*See also Cherokee Outlet.***Cherokee Towns**, trails from 42: 841.**Cherokee Trace**, mention of 42: 822 sq.**Cherokee Traders' Path** 42: 777.**Cherokee War**, mention of 42: 339.**Cherokee Western Outlet** 5: 246, 248.**Cheroki**, mention of 3: xxv.**Cherouse, E. C.**

material collected by 24: 156-253.

on stick game, Snohomish 24: 253 sq.

Cherry

belief concerning 45: 509.

use of 45: 488, 499.

wild, beverage made from 44: 317.

wild, in Iroquoian cosmology 21: 282.

wild, medicinal use of 43: 264.

wild, use of 44: 291.

*See also Prunus Serotina.***Cherry Bark**, use of 45: 497, 498.**Cherry Hill, Tenn.**, trail forked at 42: 849.**Cherry Pond Mountain**, trail 42: 770.**"Cherrybird,"** carving of the 2: 145.**Chert**

colors of 44: 506.

Eskimo implement made of 18: 113.

formation of 44: 505.

geological distribution of 44: 506 sq.

leaf-shaped implement of 41: 521.

not adapted to pecking 15: 96.

origin and character of 44: 505 sq.

use of name 44: 505, 532.

varieties of 44: 507.

*See also Chert Quarries; Flint.***Chert Quarries** at Mill Creek 44: 530 sq.**Chesapeake Bay**

archeologic work on 13: xxvi; 15: xxi.

archeologic remains on 15: xxviii.

study of archeology of 15: xxv.

Chesapeake Branch of Great Indian Warpath 42: 758.**Chesapeake-Potomac Province**

location of 15: 20.

memoir on stone implements of 15: 13.

Chesapeake Valley, occurrence of Iroquoian ware in 20: 164.**Cheschopah.** *See Cheez-tah-paezh.***Chese - cha - pahdish.** *See Cheez-tah-paezh.***Chese - Topah.** *See Cheeze-tah-paezh.***Chesholm, J. D.**, reservation for 18: 671, 674.**Chest**, in western Eskimo 46: 244, 249, 253.**Chest Ornaments** of Guiana Indians 38: § 537.

- Chester, E. W.**, instructed as to treaty with the Cherokee 5: 205.
- Chester, Greville J.**, specimens collected by 34: 80.
- Chesterfield, Lord**, on gestures of orators 1: 311.
- Chestnut**
leaves of, medicinal use of 43: 265.
pudding, making of 32: 188.
- Chestnuts**
guarded by wizards 32: 201.
journey to secure 32: 150, 207, 216.
use of, as food 32: 148, 187, 199, 503.
- Cheukunsene.** *See* Kunnesee.
- Chevereah, Juan**, Maricopa head chief 26: 21.
- Chevron Fork**, reference to 28: 220.
- Chevron Pass**, work at 17: XLVI.
- Chevron Ruins**
armlets from, figures of 22, i: 89, 90.
asphalt found at 22, i: 111.
basketry from, coiled type, cut showing 22, i: 99.
basketry from, Oraibi type, cut showing 22, i: 98.
bird figures on pottery from 22, i: 73.
bird-shaped vessel from, figurine showing 22, i: 68.
bird-snake vase from, figure showing 22, i: 68.
bone awls from, reference to 22, i: 94.
bow and arrows from, reference to 22, i: 100.
bowl from, bison design on, description and figure of 22, i: 72.
bowls from, bird figures on, description and figures of 22, i: 74, 77 sq., 79.
bowls from, geometrical designs on, description and figure of 22, i: 83 sq., 85.
bowls from, rain-cloud symbols on, character of 22, i: 73 sq., 156.
bowls from, rain-cloud symbols on, figure showing 22, i: 74.
burial place at 22, i: 32.
collection from, study of 22, i: XVIII.
crania from 22, i: 110.
cups from, figures showing 22, i: 65, 66.
- Chevron Ruins—Continued**
date of work on 22, i: 17.
duck-shaped vessel from, figure of 22, i: 67.
ear pendants from, cuts showing 22, i: 86, 87.
human crania from, collection of 22, i: 110.
ladle from, figure showing 22, i: 62, 63.
lignite ornament from 22, i: 87.
location of 22, i: 23, 30 sqq.
matting from, abundance of 22, i: 97, 98.
metates found in graves at 22, i: 104.
mosaic ornaments from 22, i: 85, 86.
mug from, figures showing 22, i: 66.
objects obtained from, number and character of 22, i: 18, 23.
ornaments, mosaic, found at 22, i: 85, 86.
ornaments, shell, from 22, i: 88, 89, 90, 91, 92.
prayer stick from, exceptional character of 22, i: 100.
rattle from, made from *Conus* shell, cut showing 22, i: 91.
reference to 28: 139.
shell objects from, figures showing 22, i: 92.
skulls from 22, i: 110.
stone implements found at 22, i: 102, 103.
stone-slab, with 'rain-cloud' design, from 22, i: 104 sq.
turtle carapaces from 22, i: 95, 96.
- Chevron**
appearance of, in symbolism of Woe 21: 66, 67.
as an element in design 41: 244, 253.
in Hopi pictures 21: 77, 79, 101, 119.
interpretation of 41: 312 sq.
- Chevron Designs**
Middle Mississippi Valley pottery 20: 90.
See also Decoration..
- Chewelah**
a division of the Kalispel 45: 312.
country occupied by the 45: 312 sq.

Chewelah—Continued

- some chiefs of the 45: 378.
- supposed origin of the 45: 321.

Chewing of tobacco by the Eskimo

- 18: 271 *sq.*

Chewing Gum

- root used for 30: 68.
- used by the Pima 26: 78.

Cheyenne

- absence of clans among the 14: 956; 17: 227.
- and Kiowa warfare 14: 1079.
- and Sioux early warfare 14: 1059.
- Arapaho warrior order derived from 14: 988.
- attack of Kiowa by 17: 271.
- Bent's recommendation as to 17: 183.
- burial case of the 1: 162, 163.
- burial lodges of the 1: 154.
- ceremonial arrows of the 13: 116.
- character of the 17: 234.
- chronology of the 17: 234.
- considered aberrant Algonquian 47: 3.
- dance with Kiowa of the 17: 379.
- delegates, visit of, to Wovoka 14: 774, 778, 817, 894, 900, 901.
- description of village of the 17: 183.
- destruction of village of the 17: 187.
- effect of Porcupine's visit on the 14: 819.
- fires built by the, in Ghost dance 14: 921.
- first acquaintance of the Kiowa with the 17: 153.
- Flathead name for the 45: 302.
- former habitat of the 14: 1029.
- friendly overtures from the 17: 179.
- games of the 24:
 - archery 384.
 - basket game 59 *sq.*
 - dice games 54, 58-61, 126.
 - double ball 647, 649.
 - hand and foot ball 705 *sq.*
 - hand game 269, 276.
 - hoop and pole 429 *sq.*, 442, 445 *sq.*, 507.
 - popgun 758.
 - racket 563.
 - ring and pin 529, 530-533.

Cheyenne—Continued

- games of the 24—continued
 - shinny 619 *sq.*
 - snow-snake 400 *sq.*
 - tops 734.
- Ghost dance among the 14: xxxix, 653, 786, 802, 817, 895, 915, 926, 927.
- Ghost dance doctrine spread by 14: 902.
- Ghost dance studies 13: xxxii.
- glossary of the 14: 1039.
- heraldry of the 23: xvii.
- hostilities with the, in 1867 and 1868 17: 183, 186.
- hostilities of the, in 1874. 17: 202, 252.
- hunting ground of the 27: 89.
- Kiowa friendliness toward the 17: 168.
- Kiowa hostility to the 17: 156, 157, 160, 273.
- Kiowa peace with the 17: 172, 275.
- knowledge of Messiah among the 14: 894.
- land cessions and reservations 18: 786, 824, 838, 846, 848, 852, 856, 888, 918, 940 *sqq.*
- language of the, study of 14: xli.
- massacre of the, by Chivington 17: 180.
- massacre of the, by the Kiowa 17: 271.
- measles among the 17: 342.
- medicine wheel from the 24: 437.
- mention of the 4: 101, 115, 118, 132, 133, 134, 139, 141, 142, 144.
- murder of party of the 19: 209.
- myths of the 19: 229, 441, 443, 449, 452, 465 *sq.*
- name of the, in sign language 45: 148.
- name of the Arapaho 14: 953.
- name of the Cheyenne 14: 1043.
- name of the Kiowa Apache 14: 1081.
- name of the Sioux 14: 1057.
- Navaho hostility toward the 17: 301.
- notion concerning thunder 14: 969.
- Omaha attack on the 27: 87.
- Omaha contact with the 27: 73.
- Omaha name for the 27: 102.

Cheyenne—Continued

- opening of lands of the 17: 278.
 - outbreak of 1874 by the 17: 200.
 - party to peace treaty 27: 74, 218, 376.
 - peace council participated in by the, in 1872 17: 190.
 - planned uprising among the 17: 176.
 - population of the 14: 1025.
 - possession of Black Hills by the 17: 157, 166.
 - prisoners, deportation to Florida of 17: 213.
 - raids in Texas by the 17: 177.
 - refusal of Kiowa alliance by the 17: 190.
 - religion of the 14: 775.
 - researches among the 24: xvi sq.; 25: xiii sq.
 - reservation experience of the 14: 833.
 - sacred medicine of the 17: 242.
 - scouts in Sioux outbreak 14: 867, 881.
 - sketch of the 14: 1024.
 - skulls, vault of 48: 7.
 - slaughter of Pawnee Indians by the 17: 175.
 - smallpox among the 17: 311.
 - songs of the 14: 1028.
 - status of the, in 1859 17: 182.
 - study of the 15: lxxii, lxxx.
 - surrender of the, in 1875 17: 211, 212.
 - sword-bearer among the 14: 706.
 - symbolic representation of the 14: 706.
 - synonymy of the 14: 1023.
 - torture of captives by the 17: 203.
 - traders among the 17: 318.
 - treaty agreement of 1865 by the 17: 179.
 - treaty of 1865 with the 17: 180.
 - treaty of 1866 with the 17: 183.
 - tribal divisions of the 14: 1025.
 - tribal medicine of the 19: 503.
 - tribal signs for the 1: 464.
 - wars with the 45: 365.
- See also Cheyenne Indians; etc.;*
Southern Cheyenne.

Cheyenne Agency

- charts at 4: 94.
- cross 4: 252.
- fight near 4: 102.

Cheyenne Agency—Continued

- pictograph letter 4: 160 sq.
- symbol for 4: 123, 166, 172 sq.

Cheyenne and Arapaho Shields,

- paper on, by James Mooney 41: 56.

Cheyenne Division of Algonquian

- languages, relationship of 28: 229, 289.

Cheyenne Indians

- letter writing by the 10: 363 sq.
 - name for the 29: 573.
 - tribal designations of the 10: 382 sq.
 - visit of the, to Washington 34: 28.
- See also Cheyenne; etc.*

Cheyenne Language

- consonantic clusters in 28: 284.
- description of 28: 232 sqq.
- inanimate plural of nouns 28: 274.
- pronunciation of 28: 226.
- reference to 28: 225.
- relationship of 28: 22, 237, 274, 280, 286.

See also Northern Cheyenne.

Cheyenne River Agency

- delegates from, to Washington 14: 891.
- delegates from, to Wovoka 14: 820.
- Indians of, in Sioux outbreak 14: 885.
- table of rations at 14: 839.
- waning of Ghost dance at 14: 846.

Cheyenne River Reserve

- change in 18: 938.
- establishment of 18: 932.

Cheyenne Tribe

- habitat of the 7: 48, 109.
- population of the 7: 49.
- treaty cited 7: 114.

Cheyenne War with General Mac-

- kenzie 4: 146.

Chi, definition of 16: 243.**Chia**

- Indian village mentioned by Jaramillo 14: 587.
- mention of road to 14: 587.
- villages of, cannon deposited in 14: 503.

See also Sia.

Chiaha

- a Lower Creek Red town 42: 126, 255.
- allocation of clans in beds at 42: 201, 204.

Chiaha—Continued

- arrangement of square ground of 42: 229 *sqq.*, 279, 280.
- bison dance held by 42: 528.
- busk ceremonial of 42: 603.
- clan councils of 42: 126.
- clans of, furnishing chiefs and henihas 42: 193, 194.
- clans, phratries and moieties of 42: 161.
- dances of, description of 42: 551–554.
- fire making at busk of 42: 555.
- mention of 42: 324.
- position of beds at 42: 199.
- Spanish visits to 19: 23, 24, 26, 28, 197, 199, 200.

Chiaha Seminole

- a Red town 42: 127, 257.
- allocation of clans in beds at 42: 201–204.
- arrangement of square ground of 42: 234 *sq.*, 292.
- clan councils of 42: 127.
- clans of, furnishing chiefs and henihas 42: 193, 194.
- clans, phratries and moieties of 42: 161 *sq.*
- house at, for ceremonial objects 42: 186.
- plan of ceremonial ground of 42: 235, 293.
- position of beds at 42: 199.

Chiametla

- appointment of Trejo in 14: 500.
- death of Samaniego at 14: 383, 480, 547.
- desertion of 14: 383.

Chiapanec, number names of 19: 874, 878.**Chiapas**, ruins of, inscriptions of 19: 806.**Chiaroscuro**, development of 19: LXXVI.**Chibcha**

- method of forming numbers 19: 918.
- symbols used by the 10: 615 *sq.*

Chibukak 46: 210.**Chic**, day symbol, discussed 16: 254.**Chicago**

- cession of site of 18: 656.
- occurrence of Middle Mississippi Valley pottery near 20: 80.

Chicago—Continued

- origin of name 14: 238.
- treaties of 18: 702 *sqq.*, 750.
- See also* **World's Columbian Exposition**.

Chicago Tribune, wild rice harvesting illustration published in 19: 1057.**Chicagua Rapids, Venezuela**, petroglyphs at 10: 148 *sqq.***Chicasa**

- join the Na'htchi 7: 96.
- population of the 7: 95.

Chicchan day symbol discussed 16: 229, 238, 241.**Chich**, phonetic value of 16: 233.**Chichan**, meaning of 16: 232.**Chichen-Itza**, inscription at, symbols from, description and figures of 22, i: 300.**Chichilticale**, description of 13: 295.**Chichilticalli**

- Coronado's description of 14: 554.
- description of 14: 516.
- described by Jaramillo 14: 584.
- described by Mota Padilla 14: 487.
- first sight of, by Coronado 14: 387.
- identification of 26: 26.
- limit of Diaz's exploration 14: 303.
- references to 28: 53, 54.
- visit of Diaz to 14: 480.
- visit of Friar Marcos to 14: 475.

Chichimecas

- Mexican Indian 14: 529.
- Mexican word for braves 14: 524.

Chichiñagamut

- conditions observed at 18: 251 *sq.*
- implements from 18: 139 *sq.*
- shamanistic rites observed at 18: 431.

Chichinak 46: 193.**Chicholm, Jesse**, interpreter at treaty of 1865 17: 180.**Chickadee**, myths concerning 19: 285 *sq.*, 319, 454, 468.**Chickahominy**

- discovery of remnants of 22, i: XII.
- grant of land to 18: 567.
- massacre by 18: 564.

Chickamauga Band

- declaration of war by, in 1792 19: 71, 72.
- emigration of 5: 150, 151.

Chickamauga Band—Continued

hostility of, in 1875-1894 19: 62-67, 70, 72-78.

origin of 19: 54.

Chickamauga Gulch, pseudo myth concerning 19: 413 *sq.*

Chickamauga Path 42: 848 *sqq.*

Chickamauga Town, Old, trail of 42: 750.

Chickamauga Towns

destruction of 19: 55, 78 *sq.*

expedition against 19: 60.

Chickasaw

a stockaded town 42: 438.

and Kasihta, friendship of 42: 51.

adoption among the 42: 705.

adultery punished by the 42: 697.

association of the, with Creeks 42: 590.

ball-game of the 14: 129.

beliefs and usages of the 44: 169-273.

beliefs of the 42: 482, 497, 513, 710.

burial customs of the 42: 389.

ceremony of the, on return of war party 42: 421 *sqq.*

collection of information regarding the 40: 5.

cultural relationships of the 42: 712.

customs of the 42: 358 *sq.*, 424, 700, 702, 706.

deerskins worn by the 42: 682.

distinct origin of the 42: 260.

divisions of day among the 42: 398 *sq.*

dwellings of the 42: 687, 688.

final location of the 44: 175.

greetings of the 42: 450.

hair dressing of the 42: 684.

head flattening among the 42: 687.

introduction of smallpox by the 17: 275.

land cessions and reservations 18: 559 *sq.*, 636, 650, 660, 668, 682, 694, 738, 752, 764 *sqq.*, 788, 794, 806 *sqq.*, 840.

land cessions by the 19: 86.

lands claimed by the 42: 811.

legendary origin of the 42: 50, 55 *sq.*

map of land ceded by the 42: 815.

marriage customs of the 42: 368 *sqq.*

Chickasaw—Continued

medical practices of the 42: 622.

mention of the 42: 35, 39.

mourning customs of the 42: 383.

name of the, for deity 42: 482.

names given by the, to the seasons 42: 400.

names of the, for supernatural beings 42: 481.

Natchez among the 19: 386.

of Muskhogean stock 42: 677.

part of the, given refuge by the Creeks 42: 46.

physical type of the 42: 677.

preparation of paper on 42: 7; 44: 4.

priesthood of the 42: 620.

publication on subject of the 45: 2.

punishment among the, for adultery 42: 349.

racket game among the 24: 597.

resemblance of the, to the Creeks 44: 173.

sketch of the 19: 499, 500.

social divisions among the 42: 695.

stools used by the 42: 689.

traditional separation of the, from Choctaw 44: 177.

traditional western origin of the 44: 175.

traditions of origin of the 42: 40.

trail used by the 42: 811.

treaty with Virginia and North Carolina by the 19: 63.

war of the, with the Creeks 42: 51.

war of the, with the Shawnee 42: 811.

witchcraft among the 42: 633 *sq.*

See also Chickasaw Indians.

Chickasaw, Choctaw, Creek and Cherokee, boundary between 5: 205.

Chickasaw Bluffs

road to 42: 822.

treaty of 18: 660.

Chickasaw Council House, treaty of 18: 682; 19: 98.

Chickasaw Country, three districts of 44: 212.

Chickasaw Indians

attack on Cumberland towns by 19: 62.

attitude of, in Civil War 19: 148.

attitude of, in Creek War 19: 90.

Chickasaw Indians—Continued

boundary between the Cherokee and
19: 62, 66.

Cherokee relations with 19: 14,
38, 44, 67, 72, 371, 389 *sq.*, 494.

defeat of the French by 19: 477.

friendliness of, toward the English
19: 35.

recent practice of potter's art by
20: 130.

See also Chickasaw.

Chickasaw Old Fields

location of 42: 851.

sojourn of Chickasaw at 44: 175.

traditional settlement of 44: 177.

trail of 42: 822.

treaty of 18: 674; 19: 85.

Chickasaw Old Town, location of
44: 176.**Chickasaw Region**, trails from, to
Mobile Bay 42: 823.**Chickasaw Trace**, road known as
42: 811, 852.**Chickasaw Trail**

naming of 42: 744.

route of 42: 822.

Chicken, Col. George, expedition
under 19: 33.**Chicken Dance**

description of 42: 530 *sq.*

mention of 42: 523, 524.

Chicken Katsina

introduction of, among the Hopis
21: 17.

See also Kowako.

Chickeny, member of Menomini court
14: 35.**Chickweed**

use of 44: 293.

See also Stellaria Media.

Chicote, Samuel, head chief 42:
331.**Chidester, J. D.**, house sites on farm
of, in Arkansas 12: 245.**Chief**

as peacemaker 37: 209, 210.

descent of office of 36: 68.

duties of 36: 67; 37: 319, 320.

festival after death of 35: 1088,
1091 *sq.*

functions of 37: 209 *sq.*

healing powers of 36: 71.

leaves his tribe 35: 863.

lodging of, a refuge 37: 209.

Chief—Continued

of Sparrow society 35: 1152.

one, for each great division of the
tribe 36: 67.

potlatch property given to 35: 878.

relation of, to his people 35: 1273–
1277, 1333–1344; 37: 319.

religious concept concerning choice
of 40: 181.

sacred objects in Hako ceremony
carried by 22, ii: 23.

selected from Thunderbird clan 37:
320.

signs for 1: 353, 416.

symbolism of house of 36: 68 *sq.*

titles of 35: 1354 *sq.*

tribute to 35: 1333–1344.

young men work for 35: 1043.

See also Chiefs.

Chief Clan, native name for 42: 117.**Chief, Coweta**, description of 42:
308.**Chief-Eagle, Otto**, assistance ren-
dered by 33: 46.**Chief Feast**

food served at 37: 319.

object of 37: 319.

property of four Bird clans 37:
318, 319.

symbolism of 37: 321.

time of 37: 318, 321.

Chief Fool Dance 35: 966.**Chief Joseph**, surrender of 17: 351.**Chief Mountain**, information from
31: 485.**Chief Speakers**, office of 42: 329.**Chief World**, chosen in council 32:
332, 341.**Chiefs**

afraid of parents of twins 35: 689.

among the Osage 15: 235.

as religious officers during buffalo
hunt, Omaha 3: 357.

authority of the 46: 622.

burial of 42: 701.

ceremonial house of 47: 210.

ceremonial, list of 47: 255 *sq.*

chosen from subgens 43: 91.

clans furnishing 42: 50, 192–197.

classes of 45: 262.

clothing of 27: 355, 356.

comparative beliefs regarding 47:
348.

counseling 42: 316.

Chiefs—Continued

- course of increase in number of 42: 317.
- Dakota, status of 15: 222.
- descent of, among the Dakota 15: 221.
- duties of 45: 263, 374 *sq.*; 46: 431 *sq.*, 441.
- effect of trader's influence on 27: 630 *sq.*
- election of 42: 330; 44: 215; 45: 152, 376.
- election of, under new government 42: 330 *sq.*
- Eskimo choice of 18: 303 *sqq.*
- Eskimo terms for 18: 304.
- filling vacancies among the 42: 320.
- Flathead, list of names of 45: 376 *sq.*
- function of, among Siouan Indians 15: 214.
- honors paid to, at death 44: 233.
- in the League of the Iroquois 43: 462.
- increase in number of 42: 317.
- instruction of, at installation 42: 332.
- list of 42: 331.
- location of dwelling of 42: 174.
- marriage of 42: 369.
- marriage of daughter of 35: 777.
- Menomini, descent of 14: 39, 43.
- Menomini, genealogy of 14: 44-60.
- Menomini, succession of 14: 44.
- most influential in 1791 42: 323.
- of the dance 45: 262.
- of Lutcapogo 42: 210.
- of the Nikola-Similkameen country 45: 262.
- of Tusayan 15: 268.
- Okanagon, genealogy of 45: 263-275.
- Omaha, deposition of 3: 362.
- Omaha, election of 3: 358.
- Omaha, head of 3: 357.
- Omaha, position of 3: 216.
- Omaha, powers of 3: 362.
- one for each grand division 27: 135.
- order of names in feast 35: 792.
- part in ritual of White Buffalo Hide 27: 289.
- Pend d'Oreilles 45: 377.
- people work for 31: 429.
- position in feast 35: 766, 767.

Chiefs—Continued

- position of 27: 601 *sq.*; 45: 152 *sqq.*
- power of 42: 315 *sq.*, 319.
- prominent, list of 42: 322.
- qualifications for 45: 376.
- rank of 44: 213.
- responsible for safety of his people 31: 430.
- rival, in seal feasts 35: 460, 461.
- sacred inauguration of 3: 359 *sq.*
- seating of, at general council 42: 311, 312.
- selection of 44: 213 *sq.*
- social position of daughter of 35: 776-779.
- special nose and ear ornaments used by children of 31: 431.
- status of 42: 696.
- subordinate 3: 357.
- Tukabahchee, selected from Eagle clan 42: 148.
- Tlingit, names of 26: 402-407.
- valuable garments, children of, dress in 31: 431.
- who can be elected, Omaha 3: 358.
- Wyandot, election of 1: 61, 62.
- See also* Cacique; Chief; Chief-tainship; Council of Seven Chiefs; Hunting Chiefs; Little Chief; Minko; Officers; Town Chief; War Chiefs.
- "Chiefs" of the Eskimo 9: 429 *sq.*
- Chiefs, Assistant**
 - clans from which selected 42: 285.
 - duties of 42: 287.
 - selection of 42: 285, 286 *sq.*
- Chief's Badge** in pictures of Hopi kateinas 21: 76.
- Chief's Bed**
 - called the "White Bed" 42: 277.
 - one of four beds 42: 191.
 - position of, in various towns 42: 197-200.
- Chiefs, Food of the**
 - blood-soup of seal 35: 457.
 - currants and salal-berries 35: 578.
 - fern-roots 35: 523.
 - limbs of seal 35: 459.
 - long cinquefoil-roots 35: 541, 544.
 - parts of porpoise 35: 750.
 - parts of seal 35: 750.
 - salmon-cheeks 35: 329.
 - winkles 35: 510.

Chiefs, Society of the Yuchi, reference to 42: 156.

Chiefship among the Seri 17: 275* *sqq.*

Chieftaincy, devolves upon the chief's younger brother 31: 499.

Chieftainness

duties of 35: 780.

proper behavior of 35: 396.

Chieftainness Dance 35: 1148.

Chieftainship

alternation to, between two clans 42: 287 *sq.*

among the Assiniboin 15: 223 *sq.*

early history of 27: 202.

eligibility for 45: 263.

emoluments of chiefs and keepers 27: 212 *sq.*

hereditary nature of 44: 191, 192.

lapsing of 27: 635.

offenses and punishments of 27: 213-216.

orders of chiefs 27: 202-206.

settlement of 46: 432 *sq.*, 435.

succession in 45: 376; 46: 449.

through ability 45: 262.

through heredity 45: 262.

See also **Chiefs**; etc.

Chigh, meaning of 16: 233, 261.

Chignik 46: 188.

Chigoe Dance, description of 42: 534.

Chigoes, lameness caused by 30: 217.

Chihuahua, Mexico.

collections from 23: xli.

field work in 23: ix, xvii.

petroglyphs in 10: 131.

shells among the aborigines of 28: 145.

See also **Casas Grandes** (Chihuahua).

Chikasa Indians, tattooing of the 10: 394.

Chi'kialikwe. *See* **Rattlesnake Fraternity**.

Chikin

meaning of 16: 233.

symbol in Maya codex 16: 225.

Chila

city of Huastec 25: 231.

remains of 26: xvi.

Chilam Balam

book of 3: 53, 59, 60.

Chilam Balam—Continued

book of, on value of *ahaus* in Maya calendar system 19: 717.

calendar wheel of 3: 53, 59, 60.

Chilcat, population of 7: 87.

Chilcotin Tribe

basketry of 41: 133, 134, 135, 142, 180, 182, 196, 201, 223, 229, 230, 231, 233, 246, 247, 250, 336, 344-351, 356, 361, 372, 373.

characteristics of basketry of 41: 230, 233.

designs of, related to Tlingit 41: 374.

of Athapascan stock 41: 373.

Child

application of the term 42: 83, 92.

blessed by gentes 43: 71 *sq.*

cradling of 35: 658.

gesture signs for 10: 643 *sq.*

giving of gentile names 36: 50.

illegitimate 35: 1075, 1094, 1106.

love of parent for 36: 50.

method of carrying 40: 47.

newborn, treated by mother of twins 35: 667.

newborn, treatment of 42: 360.

newborn, washing of 35: 652, 656.

rite of anointing the 22, ii: 222-226.

rite of blessing the 22, ii: 256-259.

rite of cleansing the, with water 22, ii: 216 *sqq.*, 351.

rite of painting the 22, ii: 227-234.

rite of putting the symbols on the 22, ii: 235-242.

rite of seeking the 22, ii: 201 *sqq.*, 345.

rite of touching the 22, ii: 214-222, 348.

sex of, known before birth 40: 47.

signs for 1: 304, 356.

symbolism of, in Hako ceremony 22, ii: 346.

ten-months old, painting of 35: 933.

thank offering for the 22, ii: 246.

See also **Children**; **Daughter**; **Son**.

Child Bearing, age of 46: 513.

Child Flogging, ceremonial of, at Walpi and Hano 21: 69.

Child-naming

among the Mandan 15: 241.

ceremony, meaning of 43: 30.

Child-naming Rituals, importance of 43: 31.

Child-naming Wi'-gi-e 43: 75-84.

Childbirth

among northern Indians 11: 271.

among the Omahas 3: 263.

among the Pima 26: 185 *sq.*

among the Tlingit 26: 429.

beliefs concerning 11: 511, 516; 40: 491

ceremonials connected with 11: 132.

customs connected with 40: 317 *sqq.*, 463; 42: 358-362, 698; 44: 221 *sqq.*; 45: 166, 278 *sq.*; 46: 429, 516 *sq.*

ease of delivery in 40: 47; 42: 361.

Eskimo customs relating to 9: 86, 414 *sq.*; 18: 289 *sqq.*

medical practices connected with 42: 658, 662, 665, 670.

references to 27: 584, 585.

shamanism in 40: 319.

See also **Birth; Conception; Pregnancy.**

Childhood, customs relating to 11: 190, 482.

Childers, Ellis

acknowledgment to 42: 32.

ceremonies described by 42: 551, 556.

Chiaha chief 42: 551.

Chiaha square ground described by 42: 230.

information obtained from 42: 603.

Children

adoption of, among the Eskimo 9: 419; 18: 290.

affection of parents for 9: 417 *sqq.*; 38: § 911.

age of, at initiation 47: 135.

among the Pima 26: 104, 185 *sqq.*

amusements of 9: 417; 27: 362-366, 369 *sq.*

at religious ceremonies 47: 541 *sq.*

baby names abandoned 27: 117.

begetting of 30: 325 *sq.*

behavior of 46: 520.

betrothal of 44: 228.

binas for 30: 285, 286.

birth of, burning of cord 30: 323.

birth-mark of 30: 326.

Children—Continued

burial of 9: 426 *sq.*; 41: 499, 520 *sq.*, 537, 546, 547, 560, 598, 601, 604; 42: 390.

care and training of 27: 327 *sq.*

care of 42: 363; 46: 444.

care of, in times of war 13: 350.

ceremonially flogged 15: 283, 284, 308.

ceremony connected with 47: 42.

clothing of 45: 72.

condition among Northern Indians 11: 269.

conduct of 47: 135.

consecration of boy to Thunder 27: 122-128.

correction of 46: 520.

crying of 30: 171

customs concerning 30: 319-326; 40: 269; 46: 519.

dancing of, at gens festival 40: 225 *sq.*

decapitation of, in war 37: 161.

deceased, food for 47: 276.

deformed, cause of 30: 187, 371.

deformed, sacrifice of 30: 325.

delivery 30: 321, 323, 326.

desire for 30: 187.

disposal of, on death of father 45: 172.

disposition of, in cases of divorce 42: 371, 374, 377.

divided in separation 35: 895.

dolls distributed to 15: 283, 288.

education of 42: 363-367; 44: 222 *sqq.*; 45: 281 *sq.*

Eskimo 46: 37, 96.

Eskimo, crania 46: 294-299, 310.

Eskimo, introduction into kashim of 18: 286.

Eskimo, method of naming 18: 289, 424.

Eskimo, myths concerning 11: 265.

Eskimo, number of births of 9: 38 *sq.*, 414, 419.

Eskimo of Point Barrow, number of, among 9: 38 *sq.*

Eskimo, physical characteristics of 18: 28.

Eskimo, temperament of 18: 308.

exempt from sweat baths 27: 585.

feeding of, by fathers 22, ii: 105-117.

Children—Continued

- fostering of 45: 281.
- food of 30: 295.
- frightened by katecina 47: 937.
- frightened in ceremony 15: 282.
- games of 38: § 609-622.
- gestures of young 1: 276.
- gifts to, by kateinas 15: 295.
- given away by parents 9: 419.
- grief over loss of 46: 573.
- hardening of 42: 366.
- illegitimate, care of 42: 354.
- in Wa'wa ceremony 27: 379 sq.
- Indian, Eskimo, Yukon 46: 161.
- inducing birth of 30: 84, 85, 96, 325 sq.
- infanticide 9: 416 sq.
- initiated into K'atsina cult 47: 42.
- initiation of, in Navaho ceremonial 8: 266, 267.
- initiation of, into Katecina organization 47: 71-75.
- instruction of 37: 180.
- introduction into tribe 27: 117.
- introduction to Cosmos 27: 115 sq.
- isolation of mother during birth of 9: 86, 415.
- killed at Wounded Knee 14: 876, 877, 885.
- male, most desirable 46: 521.
- marriage of 42: 371.
- means of having 35: 644.
- medicines for 30: 49, 51, 55, 62; 47: 218.
- method of carrying during infancy 9: 415 sq.
- mortality among 46: 513.
- mortuary customs for 40: 321, 453-461.
- naming of 11: 190; 44: 187, 188; 47: 318.
- naming of, among Borinquenos 25: 47.
- native, at Anvik 46: 59.
- of chiefs, prominence of 45: 263.
- Omaha, target arrows of the 13: 286.
- omens 30: 275.
- ordeals, in bearing 30: 319-322.
- orphan, care of 46: 576.
- Osage, naming of 15: 237.
- part taken by, in ceremony 47: 86.

Children—Continued

- Picuris, stories told to 41: 84.
- playthings (dolls) of 9: 380 sq.
- presented to the sun 47: 134, 635.
- prohibited from seeing ceremonies 15: 288.
- prohibited from seeing masks 15: 296.
- property of 27: 362; 38: § 736, 915.
- puberty ceremony of 27: 128-133.
- punishment to 42: 363 sq.
- rearing and education of 9: 417 sq.; 47: 218 sq.
- rites connected with 27: 597.
- sacred shell intrusted to 27: 455, 457.
- selection and duties of 22, ii: 18, 19.
- sickness of, cause of 30: 171.
- singeing of hair of 35: 825, 827.
- Siouan games of 15: 174.
- spirits 30: 324 sq.
- sympathetic magic practiced on 9: 383 sqq.
- term of nursing 9: 415.
- torture of, as captives 46: 551, 552.
- toys of 9: 376-383.
- training of 44: 207; 45: 161.
- treatment of 37: 178; 40: 169, 321.
- treatment of, in war 27: 403, 426.
- uninitiated 35: 919.
- Western Eskimo, notes on 46: 213, 227.
- whipping of, at initiation 47: 72.
- whipping ordeal of 45: 168, 282.
- See also* Boys; Child; Children, Omaha; Education; Etiquette; Girls; Infants; Pregnancy; Puberty; Stillborn.

Children, Omaha

- adoption of 3: 265, 281.
- clothing of 3: 265.
- diseases of 3: 265.
- games of 3: 340, 341.
- life of 3: 265.
- number of 3: 264.

Children's Amusements 24: 30, 31, 715 sq.**Children's Dance.** *See* Wahikwine-ma

- Children's Diseases**, remedies used for 42: 656, 657, 658, 665, 666, 668, 669.
- Chile**
acknowledgments to officials of 18: XXIX.
petroglyphs in 10: 159 sq.
researches in 30: 11-15.
- Chile**
coriander used with 30: 66.
food seasoned with 30: 69, 70.
- Chilhowee**
myth concerning 19: 375.
threatened burning of, in 1792 19: 73.
- Chilicoti**, Sonora tree 26: 176.
- Chilivik** 46: 204.
- Chilkat** (= *Tlingit locality*).
clan 26: 408, 410, 413, 415, 418.
description of feast at 26: 430.
- Chilkat** (= *Tlingit tribe*).
calendar of 26: 427.
clans and house groups of 26: 404.
games of the 24:
hand game 287 sq.
stick games 243 sq.
mention of 26: 396.
phratries and clans of 26: 400.
towns of 26: 397.
- Chilkat Indians**
cedar bark blankets made by 10: 217.
ceremonial garments of 10: 429 sq.
pictographs made by 10: 217.
- Chilkoot**, a Tlingit town 26: 397.
clans of 26: 413 sq.
- Chilla**
day symbol discussed 16: 207.
meaning of 16: 213.
- Chillicothe, Ohio**
a Shawnee settlement 42: 785.
builders of mounds about 20: 194.
earthworks near 13: xxvii.
mounds near 1: 117, 118; 5: 46.
pottery from near 20: 193.
trail near 42: 786.
- Chilliwhack**, stick games of the 24: 249.
- Chilluckittequaw**, a Chilútkwa synonym 14: 741.
- Chillúla Tribe**, mention of 7: 132.
- Chilocco**
Reserve, establishment of 18: 916.
School, Kiowa children at 17: 352.
- Chilú'ktkwa**, sketch of the 14: 741.
- Chimakuan Family** 7: 62, 63.
- Chimakum**
habitat and population of 7: 62.
language, grammar of 26: xxii.
- Chimalpopoca Codex**
interpretation of mythic concept in 16: 221.
mention of 3: 46.
- Chimaphila Umbellata**, use of 44: 288, 360.
- Chimaphila Umbellata Occidentalis** 45: 462, 476, 494.
- Chimarikan Family** 7: 63.
- Chimayo**, blankets of the 29: 342.
- Chimehuevis** in Pima-Yuma battle 26: 47.
- Chimmesyan Family** 7: 63 sqq.
- Chimmesyan Stock**
implements employed by, in stick games 24: 227.
tribes of the 24:
Niska 240, 281, 471, 628, 709, 736.
Tsimshian 240, 736.
- Chimnaphum**, a Chämnä'pûm synonym 14: 739.
- Chimnapoos**, a Chämnä'pûm synonym 14: 739.
- Chimneys**
absence of, at Sikyatki 17: 646.
absence of, in Verde cavate lodges 13: 187, 256, 257.
described and figured 8: 167-180.
not built by the Menomini 14: 253.
remains of, at Matoaki 8: 86.
remains of, at Tusayan 8: 102.
remains of, at Zuñi 8: 111.
traces of K'iakima 8: 85.
See also Fireplaces.
- Chimney-hoods**, how constructed 8: 169-175.
- Chimney-like Structures**
at ruined Pueblo in Arizona, description of 22, i: 49.
discussion of 16: 182-190.
in Casa Blanca 16: 110.
in cliff kiva 16: 125, 129.
in cliff outlook 16: 144.

- Chimney-like Structures**—Contd.
 in cliff ruins 16: 119.
 in Mummy Cave ruin 16: 113, 115, 116.
- Chimu, Peru**, ornamentation of "Hall of Arabesques" at 6: 251, 252.
- Chin Beard**, account of 26: 50 sq.
- China**
 coast of, connected with America 14: 513, 526.
 petroglyphs in 10: 185.
- China day symbol** discussed 16: 232.
- Chinachichibat**, native name of Dog soldiers 14: 986.
- Chí'nachinǎ'na**, an Arapaho priestly order 14: 989.
- Chinaman**, Tewa name for 29: 573.
- Chinaware**, fragments of, taken from mound 44: 167.
- Chinax day symbol** discussed 16: 258.
- Chine Berry** 33: 98.
- Chinese**
 characters, connected with signs 1: 356, 357.
 characters, expedient of the, in place of signs 1: 306.
 conventional characters of 10: 649 sq.
 ideographs and gesture signs of 10: 637, 642, 643, 644, 645.
 ideographs by, for sickness 10: 590.
 ideographs for prisoners by 10: 600.
 Indian belief of origin of 14: 721.
 mnemonic devices of 10: 226, 227.
 mourning colors of 10: 631.
 resemblance of British Columbia Indians to 46: 33.
 resemblance of, to Indians 46: 36.
 symbolic writing of 10: 618.
 topographic representations by 10: 344.
- Chingassanoo**, reservation at 18: 756.
- Chinig** 46: 196, 200.
- Chinking**
 of cliff dwelling masonry 16: 102 sqq., 107 sq., 118, 123, 127, 142, 144, 148, 150 sq., 159 sq.
 of walls 13: 248.
- Chinlee Valley**
 description of 17: 478.
 ruins in 16: 80.
- Chino Valley, Ariz.**
 early migration into 28: 218.
 references to 28: 196, 204, 215.
 ruins of 28: 201, 216.
- Chinook**
 aerial burial in canoes of the 1: 171.
 aquatic burial of 1: 180.
 dictionary and grammar of 23: xxxv.
 games of the 24:
 four-stick game 327.
 hand game 281 sq., 300.
 racket 562, 563, 673.
 stick games 240.
 hypnotism among the 14: 762.
 jargon 1: 313.
 land cessions and reservations 18: 832.
 linguistic studies among the 24: xxii.
 mourning cradle of 1: 181, 182.
- Chinook Dictionary**, in preparation 24: xxi sq.
- Chinook Indians**
 burial vaults of the 10: 523 sq.
 medicine-bag of the 10: 504.
- Chinook Jargon**
 character and use of 19: 187 sq.
 introduction of 45: 261.
 use of 45: 373.
- Chinook Language**, grammatical notes on 26: xxi, xxii.
- Chinook Texts**
 memoir on 15: xlvi, l, liv, lxii.
 See also Boas, F.
- Chinook Tribe**, mention of 41: 136.
- Chinookan Bibliography**
 preparation of 15: xxiii, xxvi, xxxi, xxxv.
 work on 14: xliii.
- Chinookan Family** 7: 65 sq.
- Chinookan Languages**, bibliography of 13: xli.
- Chinookan Stock**
 implements employed by, in stick games 24: 227.
 tribes of the 24:
 Chinook 240, 281, 573.
 Clackama 328.
 Clatsop 282, 782.

Chinookan Stock—Continued
tribes of the 24—continued
Dalles Indians 158, 307.
Wasco 282, 472.

Chinquapin, Water
a sacred food 39: 195.
See also Nelumbo Lutea.

Chiogenes Hispaniola
beverage made from 44: 317.
use of 44: 288, 307.

Chip-chip Shell Heap, description of
34: 66 *sq.*

Chi'pia, settlement of party of gods at
23: 407.

Chipiapoos in Potawatomi myth 14:
207.

Chipmunk
in Menomini myth 14: 229.
representation of, in Hopi kateina
masks 21: 116.
stripes on, in Iroquoian cosmology
21: 253.

Chipmunk Kateina. *See Kona.*

Chippewa

—burial superstitions of 1: 200.
confederation of, with Cherokee 18:
841.
confederation of, with Potawatomi
18: 779.
derivation of the name 42: 12 *sq.*
games of the 24:
dice games 61–68.
double ball 648, 650 *sq.*
European games 791.
hidden ball 340 *sqq.*, 351.
hoop and pole 427, 446.
racket 562, 563, 564–567, 568,
573, 611, 616.
ring and pin 533 *sq.*
shinny 620 *sq.*
snow-snake 401 *sqq.*, 404, 405.
stick games 229.
tops 734.

—grave posts of the 4: 199 *sq.*
land cessions and reservations 18:
648, 650, 654 *sqq.*, 666 *sqq.*, 674
sqq., 680 *sqq.*, 684–688, 698 *sqq.*,
702 *sqq.*, 710 *sqq.*, 714, 716 *sqq.*,
722 *sqq.*, 750, 756 *sqq.*, 764, 766,
768, 776 *sqq.*, 780, 794 *sqq.*, 802
sqq., 810, 812, 816, 820, 826, 828,
830 *sqq.*, 834, 840, 844 *sqq.*, 856,
858, 862, 866, 870, 874, 886, 894,
904, 908, 912, 916, 918, 934–938,
944.

Chippewa—Continued

relations with the Omaha 27: 102.
—scaffold burials of the 1: 161, 162.
See also Ojibwa.

Chippewa Customs, preparation of
paper on 45: 11.

Chippewa Ethnobotany, preparation
of paper on 45: 11.

Chippewa Indians

—mourning among the 1: 184.
mourning colors of 10: 630.
papers on 41: 37, 60.
plants used by 44: 285–397.
practice of tattooing by the 10:
406 *sq.*
researches among the 41: 13 *sq.*
visit of, to Washington 34: 28.
widows among 1: 184, 185.
See also Chippewa.

Chippewa Music

paper on 34: 26.
researches in 29: 19.
study of 30: 21, 23, 24.

Chippewa Texts, revision of 45: 5.

Chippewanaung, treaties of 18:
762.

Chippeway. *See Ojibwa.*

Chippeway River, wild rice in 19:
1034.

Chippewyan

games of the 24:
archery 385.
hand game 272.
population of the 7: 55.
tattooing of the 4: 65.

Chipped Stone

articles of, discussion of 13: 132.
implements of, Seriland scarcity of
17: 241* *sq.*, 246* *sq.*

Chipping

stone, how accomplished 13: 139.
See also Arrowheads.

Chiquito, Colo. 4: 306.

Chiribias, a Zapotec goddess 16: 255.

Chiricacua Apache

Tewa names for the 29: 573.
See also Apache (Chiricahua).

Chiricahua Mountains, field work in
22, i: XIII.

Chiricahua Reserve

discontinuance of 18: 888.
establishment of 18: 860.

Chiriqui, Colombia

Ancient Art of the Province of, by
W. H. Holmes 6: 13–187.

Chiriqui, Colombia—Continued

- character of pottery of 20: 20.
- collection from tombs at 6: XLIX.
- cup sculptures in 10: 193 sq.
- paper on decorations in 20: 65.

Chironomia, by *Rev. Gilbert Austin* 1: 289.

Chisca

- object of De Soto's search 41: 610.
- Spanish visits to 19: 23, 27, 201.

Chisels

- aboriginal method of making 15: 68.
- and scrapers described 13: 83.
- antler 45: 218.
- copper, types of 37: 88.
- distribution of 15: 142.
- fossil shell 34: 80, 137.
- how finished 15: 26.
- method of hafting 15: 112.
- mention of 25: 192.
- of the Eskimo 9: 172 sq.; 18: 86 sq.
- of stone 34: 94 sq., 135; 45: 41.
- used in steatite working 13: 72; 15: 28, 116, 121, 122, 123, 125, 126, 127, 128.

Chisholm, John D., deputized by the Cherokee to treat 5: 212.

Chisholm. *See* Chesholm.

Chistiakof, P. E. 46: 126.

Chitimacha

- adultery punished by the 42: 697.
- beliefs of the 42: 482, 710.
- ceremony of the 42: 707.
- fasting among the 40: 547.
- hair dressing of the 42: 684.
- head flattening of the 42: 686.
- information concerning clans of the 42: 118.
- linguistic material of the 30: 19.
- poisoning practiced by the 42: 697.
- puberty customs of the 42: 698.
- religious beliefs of the 42: 709.
- researches among the 28: 12; 30: 18, 22.
- smoke holes used by the 42: 688.
- social customs of the 42: 695.
- the brachycephalic type 42: 677.

Chitimacha Culture Area, features of the 42: 716.

Chitimacha Language

- dictionary of the 29: 13.
- grammatical sketch of the 39: 13.

Chitimachan Family

- mention of 7: 66 sq.
- possibly allied to the Attacapan 7: 57.

Chitimachan Group, linguistic relations of 42: 678.

Chitnak, mention of 46: 212.

Chiton

- as a charm, used in childbirth 35: 650 sq.
- boiled 35: 483.
- eaten by poor people 35: 488.
- eaten raw 35: 485.
- gathering of 35: 480.
- large, baked 35: 486.
- large, boiled 35: 487.
- large, gathering of 35: 484.
- names of 35: 480.
- roasted 35: 480, 482.

Chitto Hadjo, headquarters of 42: 251.

Chiukak 46: 196, 200.

Chiulee Creek, Ariz., petroglyphs on 10: 51.

Chivaria, Juan, in fight at "Bloody Tanks" 26: 50.

Chivington, Colonel —,

- Cheyenne massacre by 17: 180, 183; 19: 209.

- on Indian affairs in 1863 17: 314.

Chivington and Wounded Knee Massacres, comparison of 14: 881.

Chivola, meaning of name 26: 24.

Chiwiwa, Manuel, hunt chief 47: 261.

Chiwiwa, Merihildo, war chief 47: 260.

Chiwiwi, Maria, pottery made by 47: 351.

Chiylla. *See* Chilla.

Choah symbol in Troano Codex 16: 234.

Chobahahbish. *See* Dwamish.

Choch, meaning of 16: 237.

Chocha (*or* **Chuchon**), number names of 19: 872, 930.

Choco, meaning of 16: 242.

Choco, Panama, method of forming numbers 19: 917.

Chocolate Grinders

- of the Antilleans 34: 223, 224.
- See also* Grinders.

Choctaw

- addicted to gaming 42: 457.
- attitude of the, in Civil War 19: 148.
- attitude of the, in Creek War 19: 90, 91.
- ball game of the 14: 129.
- beliefs of the 42: 497, 710.
- Cherokee relations with 19: 72, 390.
- communal burial of the 12: 677.
- customs of the 42: 424, 700, 702, 707.
- deficiencies of, in swimming 42: 399.
- demonstration by the, against the English 42: 421.
- dictionary of, publication of 30: 19.
- dwellings of the 42: 687, 688.
- funeral ceremonies of the 1: 186.
- games of the 24:
 - dice games 146.
 - hoop and pole 421, 485 sq.
 - racket 562, 563, 598-605.
 - tossed ball 709.
- hair dressing of the 42: 683.
- head flattening of the 42: 686.
- in Texas, union of, with the Cherokee 19: 143.
- land cessions and reservations 18: 559 sq., 636, 650, 660, 662, 664, 672, 684, 700 sqq., 708, 726, 764 sqq., 796, 806 sqq., 840.
- mound burial of the 1: 120.
- mourning customs of the 42: 383.
- myths of the 19: 501.
- name for Cherokee 19: 15 sq., 182 sq.
- names of the, for the seasons 42: 400.
- names for Indian tribes 19: 182 sq.
- of Muskogean stock 42: 677.
- physical measurements of the 43: 14.
- population of the 7: 95.
- proportion of warriors to population 14: 33.
- prostitution among the 42: 697.
- reference to the 28: 12.
- reference to scaffold burial of the 42: 235.
- scaffold burial of the 1: 169.
- sketch of the 19: 500.
- social divisions of the 42: 695.

Choctaw—Continued

- source of strength of the 42: 324.
- sources of information on the 42: 680.
- tattooing among the 42: 686.
- the brachycephalic type 42: 677.
- trail used by the 42: 811.
- type of buildings of the 42: 191.
- use of discoidal stones by the 13: 99.
- wars of the, with the Alabama 42: 425, 426.
- woven pouches and blankets of the 13: 24.
- See also Choctaw Indians.*
- Choctaw, Chickasaw, Cherokee and Creek**, boundary between 5: 205.
- Choctaw Culture Area**, features of 42: 716.
- Choctaw Dictionary** 29: 23; 30: 19, 24; 36: 29.
- Choctaw Indians**
 - ancient notices of 10: 347.
 - bowl made by (1800) 20: 102.
 - collection of information regarding 40: 5.
 - election of chiefs of 44: 215.
 - mode of divination of 10: 494 sq.
 - preparation of paper on 44: 4.
 - recent practice of potter's art by 20: 130.
 - traditional separation of, from Chickasaw 44: 177.
 - See also Choctaw.*
- Choctaw Language**, dictionary of 34: 26.
- Choctaw-Muskogee Family** of Galatin 7: 94.
- Choctaw Towns**
 - description of, by J. Adair 7: 40.
 - trails through 42: 823.
- Choctawhatchee Bay**, pottery of 20: 108-112.
- Chocuyem**, a Moquelumnan dialect 7: 92.
- Choenemnee** land cessions and reservations 18: 782.
- Chohoptins**, a Sahaptin synonym 14: 744.
- Choich**, meaning of 16: 234.
- Choinuck** land cessions and reservations 18: 782.

- Choiskai Mountains**, description of 17: 477.
- Chokecherry**
 beverage made from 44: 317.
 mention of 33: 88.
 use of 44: 291, 321, 369; 45: 477, 490.
 used in basketry 41: 145, 148.
See also **Prunus Virginiana**.
- Chokimena** land cessions and reservations 18: 782.
- Chol**
 method of forming numbers above ten 19: 906.
 number names of 19: 862.
- Cholceh**, equivalent to *xolke* 16: 233.
- Cholera**
 among the Indians 4: 142.
 among the Kiowa 17: 173.
 among the Pima 26: 42 sq.
 epidemic of 1849 17: 289.
- Cholera, Asiatic**, cedar used as a remedy for 33: 64.
- Cholera Infantum**, treatment for 44: 346.
- Cholla Cactus**
 character of 26: 92.
 in Pima tales 26: 243, 249.
- Cholovone**, division of the Mariposan 7: 90.
- Cholula Pyramid, Mexico**, visited by Dr. J. W. Fewkes 26: xv.
- Chónshitá**, treaty of 1867 signed by 17: 186.
- Chontal**, number names of 19: 862.
- Chooch**, meaning of 16: 237.
- Chookchancie** land cessions and reservations 18: 782.
- Chopawomsie Island**, village sites on 15: 71.
- Chopped Oak**, traditions concerning 19: 415 sq.
- Chopping Block** 35: 514.
- "Chopping" Fish** 38: § 190.
- Choptank Indian**, grant of land to 18: 573 sqq.
- Chopunnish**
 a Pá'lus synonym 14: 735.
 a Sahaptin synonym 14: 744.
 population of the 7: 107.
- Choris, Louis** 46: 219, 231.
 on dice games, Olamentke 24: 144.
- Chorus**
 appearance of, in Buffalo dance 21: 30, 31.
 appearance of, in Hopi festivals 21: 44, 48, 77, 93.
 appearance of, in pictures of Hopi kateinas 21: 88.
- Cho-se-ta**. *See* **Chónshitá**.
- Chota**, trail through 42: 750.
- Chota Ford**, trail from 42: 841.
- Chote**. *See* **Echota**.
- Choukeka's Village**, location of 37: 51.
- Chouteau, Auguste**
 an early Kiowa trader 17: 262.
 Menomini treaty commissioner 14: 20, 21.
 reference to map of 18: 751.
 trading post of 17: 171, 263.
 treaty commissioner in 1837 17: 170.
- Chow Le (Li?)**, on making ancient Chinese arrows 24: 213.
- Chowanoc**, perhaps a Tuscarora tribe 7: 79.
- Chowchilla**
 games of the 24:
 hand game 294.
 hoop and pole 484.
 shinny 631.
 land cessions and reservations 18: 782, 822.
- Chozetta**, a Biloxi division 15: 164.
- Christ**, as an Acoma supernatural 47: 67.
- Christening**, mode of 30: 306.
- Christian, Col. William**
 expedition under 19: 50.
 life of 19: 205 sq.
 peace agreement arranged by 19: 51, 53.
 report of, cited 42: 766.
- Christian Art**, significance of color in 10: 622 sq.
- Christian Ceremonies**, similarity of, to Indian 47: 976.
- Christian Indians**
 land cessions and reservations by 18: 650, 704, 706, 792.
See also **Munsee**.
- Christian Influence** 42: 55 sq., 78, 482 sq.

Christian Religion

- attitude of chiefs toward 42: 320.
 Zuñi attitude toward 47: 494.

Christianity

- among the Cherokee 19: 37 sq.,
 83 sq., 110-113.
 among the East Cherokee 19: 166.
 effect of, on Indian ceremonials 14:
 718.
 how regarded by the Hopi 16: 299.
 influence of, in Indian religion 14:
 699.
 influence of, in Shaker religion 14:
 750, 761.
 influence of, on the Kiowa 14:
 1088.
 introduction of, at Kituwaha 19:
 165.

See also **Civilization; Missiona-
 ries.**

**Christianization of Indians, jug-
 gery opposed to** 14: 138, 139.**Christmas, ceremonies connected with**
 47: 106.**Christmas Dancing** 47: 303-306.**Christmas Food** 9: 547.**Christy, Henry**

- human masks from Mexico secured
 by 3: 96.
 mention of 46: 333, 370.
 on symbols 4: 82.

Christy Collection, wooden mask in
 3: 104.**Chronometry of the Eskimo** 18:
 234 sq.**Chronologic Arrangement** 12: 28.**Chronology**

- attempted by the Indians, system of
 4: 127.
 Florida Peninsula pottery 20: 116,
 120 sqq., 123, 128.
 Iroquoian pottery 20: 162.
 Lower Mississippi Valley pottery
 20: 102 sq.
 Mayan, Goodman's system of 19:
 792-800.
 Middle Mississippi Valley pottery
 20: 82.
 New Jersey-New England pottery
 20: 178, 179.
 Northwestern pottery 20: 143.
 of the Kiowa 17: 365.
 pictographic 10: 265-328.

Chronology—Continued

- South Appalachian pottery 20:
 139, 142 sqq.

value of simplicity of ware in deter-
 mining 20: 24.

See also **Modern Pottery-making.**

Chuac, symbol in Maya hieroglyphs
 16: 226.**Chuc, meaning of** 16: 232.**Church, significance of** 16: 225.**Chuchon. See Chocha****Chuck Billy, reference to** 40: 43.**Chuen**

- and *akbal* symbols compared 16:
 221, 225.

day symbol, discussion of 16: 212,
 241.

discovery concerning, by Goodman
 19: 711.

in Mayan chronology, value of 22,
 i: 204.

symbol for 22, i: 223.

Chuenche, definition of 16: 243.**Chugachigmut Masks** 3: 120, 128.**Chuhe**

method of forming numbers above
 ten 19: 905.

number names of 19: 863, 880.

Chukchansi

- games of the 24:
 dice games 138.
 football 698, 702.
 foot-cast ball 711.
 hoop and pole 482.
 hot ball 714.
 shinny 680.

Chukchee

- affinities with the Eskimo 46: 365.
 attempt at Kaltag 46: 55.
 attempted invasion of Seward Pen-
 insula 46: 86, 117, 118.
 clothing of the 18: 30.
 Eskimo battlefields 46: 86.
 ethnologic specimens from the 18:
 21.
 houses of the 46: 169.
 influence on Eskimo of the 18: 23.
 measurements of the 46: 259.
 mixture with the Eskimo 46: 226.
 of Asia 7: 74.
 of Asia (Siberia), tattooing of the
 10: 414.
 paddles used by the 18: 225.
 sleds used by the 18: 208.

Chukchee—Continued

- trading voyages by the 18: 230.
- trading with the American natives 46: 96 sq.
- use of bolas by the 18: 135.

Chukchee Crania

- basiofacial diameter 46: 279-282.
- facial 46: 266.
- facial angles 46: 285.
- means 46: 286.
- mention of 46: 254, 257.
- nose 46: 268, 270.

Chukchee-Eskimo half-bloods, physical characteristics of 18: 28.**Chukchee Grammar** 33: 29.**Chukchee Language**

- paper on 36: 30.
- work on 34: 20.

Chukchee Peninsula

- mention of 46: 177, 238, 361.
- old sites 46: 210, 213.
- skulls from 46: 231, 232, 234, 237.

Chukubi

- description of 8: 58, 59.
- fragments of passage wall at 8: 181.
- pueblo built by the Squash people 8: 25.
- ruins of, discussion of 17: 583.

Chukwhûk, description of 18: 248.**Chumanas Indians, Brazil**

- dyes used by the 10: 222.
- totem marks of the 4: 167.

Chumash Indians

- preparation of data on 44: 5.
- shell drilling by the 14: 266.
- study of ethnobotany of the 44: 6.

Chumashan

- family 7: 67, 68.
- languages, Salinan held to be dialects of 7: 101.

Chumashan Indians

- studies of the 40: 10.
- work among the 45: 3.

Chumashan Stock

- mention of 24: 472, 628 sq.
- studied by J. P. Harrington 37: 16; 38: p. 11.

Chumâ'wa, a Pit River band 14: 1052.**Chumayel**, Chronicle of, on value of *ahau* in Maya calendar system 19: 717.**Chumpo**, an Acoma leader, reference to 47: 27.**Chungke.** *See* **Chunkey Game.****Chungke Game** 13: 99.**Chunkey Game**

- description of 42: 466, 706; 44: 243 sq.
- mention of 24: 485 sq., 487, 510, 512 sq.

Chunkey Pole

- description of 42: 188, 189 sq.
- location of 42: 175, 176

Chunkey Stones

- care of 42: 466.
- town property 42: 337.

Chunkey Yard

- description of 42: 175, 176, 188, 190.
- location of 42: 171.
- origin of the term 42: 189.
- plan of 42: 176.

Chunkey Yards, mention of 24: 486 sq., 512 sq.**Chunute** land cessions and reservations 18: 782.**Chup**, meaning of 16: 253.**Chu'pawa**, choir of 23: 475.**Church, Captain**—, on scalping by the whites 19: 208.**Church**

- at Zuñi, desecration of 13: 337.
- at Zuñi, how regarded by the natives 13: 335, 337.
- at Zuñi, when built 13: 332, 333.
- Hawikuh 8: 81, 138.
- in court of Zuñi 8: 98, 138, 148.
- Ketchipauan, remains of 8: 81, 82.
- Old Mohegan 43: 254 sq.
- services, Catholic, at Acoma 47: 32.
- Shumopavi, established by Spanish monks 8: 75, 76.
- See also* **Churches; Mission.**

Church-going among the Eskimo 18: 421.**Churches**

- established in Zuñi and Tusayan 8: 224.
- establishment of, among the Kiowa 17: 219.
- Indian, mention of 42: 191.

Churchill, Ownsham, on Mexican calendar system 19: 935.**Chuuc**, meaning of 16: 232.

Ci

day symbol discussed 16: 229.
definition of 16: 262.

Cia Tribe, Acoma separated from 47: 24.

Ciawis, a Kiowa synonym 17: 148.

Cib, day symbol discussed 16: 224, 252.

Cibola

architecture of 23: XLV.
architecture of, compared with that of Tusayan 8: 100-223.
captured by Coronado 14: LVII, 388, 556, 565, 573.
cartographic history of 14: 403.
Castañeda's description of 14: 482.
city of 19: 650.
Coronado at 47: 23.
Coronado's description of 14: 558.
description of 14: 517, 565, 569, 573.
description of, by Indians of Sonora 14: 356.
extent of range of 14: 358.
identification of 17: 595.
identification of ancient cities of 6: XLVI.
identification of, with Zuñi country 13: 325, 367.
meaning of name 26: 24.
pottery of 4: 297, 307, 316, 321, 343, 344, 356.
references to 28: 117, 120.
ruins and inhabited villages of 8: 80, 99.
settlement of cities of 13: 427.
stories of, inspired by Friar Marcos 14: 364.

See also Zuñi.

Cicer Arietinum Linn., Pima food plant 26: 73.

Cicuic. *See* Cicuye.

Cicuique. *See* Cicuye.

Cicuta Maculata, use of 44: 288, 377.

Cicuta Vagans 45: 476, 513.

Cicuye

Alvarado's visit to 14: 491.
cartographic history of 14: 403.
description of 14: 523, 525.
description of, by companions of Coronado 14: 570, 575.
description of, by Jaramillo 14: 587.

Cicuye—Continued

Indians from, visit Coronado 14: 490.

river of, crossed by Spaniards 14: 504, 510.

siege of, by Spaniards 14: 511.

synonymous with Pecos 14: 391.

treachery of Indians at 14: 509.

visit of Coronado to 14: 502.

Çin'dexoⁿxoⁿ, group under, account of 27: 178, 179 sq.

Çin'-dse-a-gthe, a tribal division 39: 82.

Çin'-dse-a-gthe Gens

Ni'-ki ritual of the 36: 272 sqq.

offices of the 39: 92.

personal names of the 43: 146.

Cienega, Pueblo ruin near 22, i: 187.

Cigar; Cigarette 38: §283.

Cigarette, Cane, Casa Grande 28: 135, 142 sq.

Cigarette Leaves, origin of 30: 336.

Cigarettes

among the Pima, ceremonial use 26: 347.

among the Pima, in medicine 26: 260, 267.

among the Pima, in mythology 26: 340, 344, 352, 359, 360, 363.

among the Pima, in song 26: 336, 337.

bearer of, ceremony of 23: 146.

ceremonial use of 47: 118, 132.

in Hopi ceremony 17: 735.

of reeds, in sacrificial caves 17: 736.

smoking of, ceremonial 23: 125.

used in medicine 30: 52, 54.

See also Pipe; Smoking; Tobacco.

Ciguaner Indians, war colors of 10: 632 sq.

Ciguayos, a Cuban tribe 34: 255.

Ci-ho, legendary Pima hero 45: 71.

Cimarrones-Miguelotes War, record of 17: 83.

Cimex Fraternity (*Pe'shā'silo'kwe*).

medicines of 30: 39, 46.

of the Zuñi 23: 564-568.

Cimi

day symbol, discussion of 16: 231.

symbol in Dresden Codex 16: 250.

symbol in Troano Codex 16: 213.

Cimo, Hopi chief, on advent of clans at Walpi 19: 585.

Cinaloa River

- crossed by Coronado 14: 584.
north of New Galicia 14: 386, 515.

Cin-au'-äv Brothers, a Shoshone myth 1: 44, 45.**Cincinnati**

- figurine found near 20: 183.
Indian name for 42: 792.
trail to 42: 789.

Cincinnati Museum of Art, acknowledgments to 20: 16.**Cincinnati, New Orleans and Texas Pacific Railway**, trail followed by 42: 744.**Cincinnati Southern Railroad**, trail followed by 42: 842, 843.**Cincinnati Tablet** 2: 133.**Cinder Cones**, ruins in 17: 532.**Cinders**, use of, as tempering material 20: 46.**Cinerary Urns** from Pueblo Viejo, description of 22, i: 173, 181 *sq.***Cinnamomum**, cultivation of 38: § 246.**Cinquefoil**

- medicinal use of 42: 667.
preparation of 35: 535.
steamed in box 35: 536.
use of 44: 291, 342; 45: 469, 494.

Cinquefoil Feast 35: 538-542.**Cinquefoil Garden** 35: 189-192.**Cinquefoil Roots**

- as tribute to chief 35: 1335 *sqq.*
bundles of 35: 191, 192.
cooked in kettle 35: 542.
digging of 35: 188-194.
long 35: 190, 191.
long, eaten by chiefs 35: 541, 544.
short 35: 190, 191.
short and long 35: 539.
short, eaten by common people 35: 541, 544.

Ci-pa, an ancient Hopi stopping place 13: 189.**Cipactli**

- Aztec mythical animal, symbolizing the earth 19: 684.
symbol, discussion of 16: 207, 212.
symbol in Borgian Codex 16: 213.

Cipaulovi

- ceremony at 15: 299.
Snake ceremony at 16: 273, 276, 296.

Cipaulovi—Continued

- Snake ceremony, description of 16: 277-286.

Cipias

- home of 28: 220.
mention of 19: 598.

Cipias Pueblo, location of 22, i: 23.**Cipikne**

- description of picture of 21: 60.
personation of, in Pamürti 21: 28.
representation of, in Pamürti 21: 27.

Cipomelli, description of 21: 104.**Circles**

- decoration by, eastern United States pottery 20: 67.
Iroquoian pottery 20: 163.
Middle Mississippi Valley pottery 20: 86.
Omaha tribal 3: 219 *sq.*

Circles of Stones, meaning of 45: 282.**Circleville, Ohio**, trails 42: 756, 786**Circling of Cranes**, Eskimo legend of 18: 480.**Circuit, Antisunwise** 47: 284.**Circular-base Baskets** 38: § 416-421.**Circular Doorway** of Kin-tiel, described 8: 192.**Circular Houses** 38: § 300-306.**Circular Kivas**

- absent in Cibolan pueblos 8: 224.
antiquity of 8: 116.
traditional references of 8: 135.

Circular Mounds

- map showing distribution of 37: 77.
See also Conical Mounds.

Circular Room

- at Kin-tiel 8: 93.
at Oraibi, Wash. 8: 54 *sq.*

Circular Ruins, absence of, in Southern Pueblo area. 17: 576.**Circular Wall** of kiva near Sikyatki 8: 117.**Circumcision**

- among the Guiana Indians 38: § 507.
among the Machapunga 42: 698.

Cirsium

- medicinal constituents of 44: 304.
medicinal properties of 44: 300.
use of 44: 288, 356, 360.

Cirsium Edule 45: 479.

- Cirsium Hookerianum** 45: 480.
Cirsium Undulatum 45: 480
Cisca
 location of site of 42: 847.
 trail from St. Augustine 42: 846 sq.
Cisco, trail to 42: 854.
Cisco and Middle Tennessee Trail,
 route followed by 42: 853.
Cist, Jacob, vessel collected by 20:
 166.
Cist
 burial, Doracho 1: 115.
 burial, excavation of 16: 101.
 burial, in cliff ruins 16: 96, 130.
 graves, Indians of Illinois 1: 114.
 graves, Kentucky 1: 114, 115.
 in Awatobi kiva 17: 612.
 in cavate lodges 17: 542.
 near cavate houses 17: 543.
 See also Cists.
Cistercian Monks, gestures of the 1:
 288, 364.
Cists
 or stone graves 1: 113.
 Solutré 1: 113.
 Tennessee 1: 113.
 See also Burial; Cist; Grave; Stor-
 age Cist; Water Pocket.
Citadel, The (*at Black Falls of Little*
 Colorado River)
 building material of 22, i: 41.
 view of 22, i: 43.
Citico
 ambuscade at 19: 65.
 an Indian village 42: 750.
Cities, Stations, etc., named for wild
 rice 19: 1117 sq.
Citizen Potawatomi, act of Congress
 affecting 18: 940.
Citizenship
 Cherokee, recommendation for 19:
 114.
 in Cherokee Nation, decision of
 19: 152, 154, 156.
Cit!ka'. *See Sitka.*
Citoto
 appearance of, in Palülüköñti 21:
 52.
 description of 21: 95.
Citrullus Citrullus 33: 120.
Citrullus Vulgaris Shrad., Pima food
 plant 26: 75.
- Citulilü**
 derivation of 21: 125.
 description of 21: 107, 108.
 dressed like Hopi Snake priests 21:
 108.
City Life, economic limitations of
 42: 726.
Ciucut, synonym of Syutjun 44: 36.
Civan, application of term 28: 46.
Cívanaváaki, Pima name for Casa
 Grande 28: 33, 43.
Ci-vă-nő
 Pima legendary chief 28: 71.
 See also Sí-va-no.
Cí-va-nő-qi, name applied to Casa
 Grande 28: 71.
Civics, Primitive, investigated by
 American ethnologists 21: xxi.
Civil War
 Cherokee attitude during the 19:
 148 sq.
 Cherokee loss in the 19: 356.
 Cherokee suffering from the 19:
 148.
 East Cherokee part in the 19: 161
 sq., 168-172.
 effect of the, on the Creeks 42:
 330, 332.
 in the far Southwest 26: 48, 90.
 Omaha in the 27: 635.
Civilization
 autonomy of 17: 176* sq.
 economic limitations to 42: 725 sq.
 effect of, on the Arapaho and
 Cheyenne 14: 1027.
 effect of, on Indians 14: 675, 829.
 effect of, on savagery 14: 669.
 effect of, on the Caddo 14: 1094.
 in Yukon 46: 133.
 influence of protection of, on Pueblo
 architecture 19: 642.
 of the Eskimo 46: 92, 181, 366.
 Siouan tribes modified by 15: 172,
 185.
 See also Christianity.
Ciwanu, Hopi clan, reference to 19:
 583.
Ciwikoli
 derivation of 21: 125.
 description of 21: 96, 97.
Clackama
 four-stick game of the 24: 328.
 land cessions and reservations 18:
 800, 818.
 population of the 7: 66.

Clafin, William, petition of, for Casa Grande repair 15: ciii.

Claiborne, General —

defeat of Creeks at Holy Ground by 19: 92.

on Alabama migration 19: 99.

Claim or Demand

mode of presenting 10: 374 sq.

pictograph for 4: 159.

Clairvoyance at Isleta 47: 247 sq.

Clallam

canoe burial of the 1: 173, 174.

games of the 24:

cat's cradle 772.

dice games 155 sq.

hand games 299.

shinny 632.

shuttlecock 717.

stick games 249.

tops 741.

house burial of the 1: 175.

language distinct from Chimakum 7: 62.

tribe, mention of the 41: 136.

population of the 7: 105.

Clam Shells

beads of 44: 163 sq.

disks of 44: 153.

in manufacture of ornaments 2: 263.

in manufacture of wampum 2: 190, 226, 238, 257.

medicinal use of 44: 331.

pendants made of 44: 149, 150.

representations of, Middle Mississippi Valley pottery 20: 94, 100.

used as implements 2: 190, 205, 207.

utensils of 2: 190.

See also **Pismo Clamshell**.

Clammy Weed, used in ceremony 30: 96.

Clams, Billy, a Shaker enthusiast 14: 756.

Clams

as bait 35: 162, 178, 181, 183.

dug on beaches 31: 45.

opening of 35: 179.

Seri method of taking and eating 17: 195*.

steamed, with devilfish 35: 474.

with seaweed 35: 516.

Clan

adoptive members of 20: xcv, xcvi

definition of 15: civ, cvii, 213; 20: xcii sq.

features of 19: xlxi, l.

marriage laws of 20: xciv, xcvi-c.

members of, living in groups 41: 553.

organization of 17: xxxii.

property laws of 20: ci.

reference to 27: 195.

rites and taboos of 20: xciv.

system of Siouan Indians 15: 177, 187.

totems of 20: xciv.

woman determines, among the Pueblo 33: 219.

See also **Clans**; etc.; **Totem**.

Clan Animals

as guardian spirits 37: 195 sq.

as property mark 37: 203.

attitude toward 37: 195 sq.

painted on beds 42: 182, 235.

relationship to 37: 196 sqq.

See also **Totem**; **Totem Animals**.

Clan Associations 42: 120-158, 165, 166.

Clan Consciousness 37: 435.

Clan Councils

description of 42: 122.

list of 42: 123-127.

meeting of 42: 306.

Clan Designation 4: 167.

Clan Divisions

early data regarding 44: 191.

modern contributions regarding 44: 191.

Clan Feasts

nature of 37: 317.

of the Winnebago 37: 318-321.

Clan House I, Casa Grande

burial found in 28: 117, 127, 139.

description of 28: 106-110.

excavation and repair of 28: 41 sq.

"Seat" excavation in 28: 46.

Clan Masks

sanctity of 21: 109.

unused, description of 21: 109-112.

Clan Names, derived from plants 30: 37, 86.

Clan Organization

absent among the Kiowa 17: 227.

discussion of 47: 202 sq.

Clan Organization—Continued

of the Seri 17: 10 *sq.*, 166* *sq.*, 168* *sq.*, 269*–274*.

Clan Revenge, among Cherokee, abolition of 19: 86 *sq.*, 107.

Clan Songs

of warrior clans 37: 219, 220.
use of 37: 204.

Clan System

comparison of different forms of 42: 695 *sq.*

of the Antilleans 25: 33 *sq.*, 42.

unknown to the Arapaho 14: 956.

unknown to the Comanche 14: 1044.

unknown to the Kiowa 14: 1079.

Clan Totems, absence of 46: 435.

Clan Worship, germs of, in Snake and Flute societies 19: 1006.

Clans

and ceremonies 47: 39.

and initiation 47: 39.

and labor 47: 39.

and marriage 47: 35, 36, 39.

and officials 47: 38.

and sickness or death 47: 39.

Asa, mention of 33: 266, 267, 273, 279.

association of, in moieties 42: 162–166.

associations of, with town 42: 275.
at Laguna 47: 352.

Badger, mention of 33: 266, 267, 273, 279.

Bear, earliest settlers of Walpi 33: 264.

Bear, Flute, Snake 33: 216, 265.

Bear, mention of 33: 265.

Buli (Poli), mention of 33: 267, 273.

Cherokee 19: 212 *sq.*; 42: 118.

Chickasaw 19: 499.

Choctaw 19: 500.

classification of kateinas by 21: 18.

conception of tie between members of 37: 198.

connection of 24: 155.

connection of, with offices 42: 304 *sq.*

customs connected with 42: 166–170.

descent of, from female ancestors 42: 110.

Clans—Continued

descent of, from totem animals 42: 110.

determination of 19: 651 *sq.*

discussion of 42: 114, 118, 126.

discussion of seating of 42: 237–241.

distribution of 42: 267–273.

distribution of, with reference to land and town 42: 170–174.

dual division of 42: 156.

exogamous 47: 34.

extinct, Hopi, disposal of masks of 21: 17.

Flute, mention of 33: 265.

formerly occupying Sikyatki 17: 636.

functions of 47: 39.

furnishing chiefs 42: 50, 192, 197.

furnishing henihas 42: 192–197.

grading of 42: 168.

Hano, mention of 33: 266.

henihalgi, discussion of 42: 194 *sq.*

holding chieftainship, discussion of 42: 196 *sq.*

how linked into phratries 42: 121.

husbands and wives of 47: 36.

immaterial possessions of 33: 203.

influence of, in marriage 42: 166 *sq.*

influence of, on ceremonial organization 33: 204.

influence of, on Pueblo architecture 19: 646 *sqq.*

introduction of kateinas by 21: 17.

Kachina, mention of 33: 266, 267, 279.

Kokop, or Firewood, supposed founders of Sikyatki 33: 218.

list of 37: 190 *sq.*; 42: 115 *sqq.*; 47: 35.

local separation of 42: 170.

localization of, in Pueblos 16: 194.

marks of identification in 33: 203.

memoir on localization of, in Tusayan 19: xli.

Muscogee 19: 499.

names of, discussion of 37: 182.

of Awatobi 17: 610.

of Küküchomo and Sikyatki 17: 587, 588.

of the Sia 11: 19.

of the Upper Missouri Indians 46: 434 *sq.*

of the Zuñi 13: 368, 372, 386.

Clans—Continued

of Walpi and Sichumovi 19: 582
sqq.

organization of 37: 190 sqq.

origin of 42: 273 sqq.

part taken by, in marriage 42: 374
sq.

political functions of 37: 199 sqq.

position of, in beds or arbors 42:
197, 200, 241.

preceded by village groups 37: 185.

precedence of, in war 42: 43.

property marks of 37: 79, 203.

reciprocal relationships of 37: 201.

relation of kateinas to 21: 45.

relation of, to natural phenomena
13: 370.

retaliation by, for murder 42: 345.

rights of, on war parties 42: 433.

seating of, in council lodge 37: 163.

seating of, summary of 42: 237.

segregation of, after death 42: 701.
Seneca 19: 483.

separation of, in gentes 42: 165 sq.
Shawano 19: 494.

Snake, mention of 33: 265, 266.

songs of 37: 204.

specific possessions of 37: 202 sq.

stories of origin of 42: 107-114.

Tanoan, influence on third ceramic
epoch 33: 217.

Tanoan, mention of 33: 266.

Tewa, reference to 29: 61 sq.

Tobacco, mention of 33: 270, 271.

towns, phratries and moieties, tabu-
lation of 42: 158-162.

unit of organization in War-bundle
Feast 37: 436.

Zuñi 23: 40-43.

Zuñi, choosing of names 23: 40.

Zuñi, size of 47: 477.

See also Bear Clan; Bird Clan;
Buffalo Clan; Clan; Clans,
Chickasaw; Clans, Tlingit; Deer
Clan; Eagle Clan; Elk Clan;
Fish Clan; Hawk Clan; Pigeon
Clan; Snake Clan; Soldier Clan;
Thunderbird Clan; Warrior
Clan; Water-spirit Clan; Wolf
Clan.

Clans, Chickasaw

arrangement of, in groups 44: 192.

chiefs of 44: 213 sqq.

lists of 44: 192, 196.

Clans, Chickasaw—Continued

rank of 44: 191, 192, 197.

stories about 44: 198-203.

Clans, Tlingit

by tribes and house groups 26: 400-
407.

by tribes and phratries 26: 398, 400.

caste 26: 427.

emblems of 26: 415, 420.

history of 26: 407-414.

influence of racial differences 26:
408.

names of 26: 421 sqq.

spirits belonging to 26: 465.

Clapin, Sylva, on lacrosse 24: 563.

Clarence, Port. *See* Port Clarence.

Clarendon, Lord, grant to 18: 530.

Clark, —

assignment of tract to Delawares by
18: 725.

See also Lewis and Clark; Robin-
son Episode.

Clark, General —, visit to, by Kānakūk
14: 693 sq.

Clark, Charles W., acknowledgments
to 42: 731.

Clark, John

donation of clay pipe by 12: 258.

house sites on land of, in Misissippi
12: 258.

Clark, J. S., photographs made by 2:
252.

Clark, J. V. H., cited 12: 503, 545,
547.

Clark, Miss May S.

acknowledgment to 11: 78.

retirement of 48: 21.

work of 25: xxv; 26: xxxi; 27:
13; 29: 24; 37: 31; 39: 28;
40: 20; 41: 21, 44, 73, 95, 116;
42: 19; 43: 19; 44: 18; 45:
19; 46: 16; 47: 14; 48: 21.

Clark, Robert, appointment of, as
steward of Calverton Manor 18:
573.

Clark, Thomas F., jr.

transfer of 36: 34.

work of 36: 31.

Clark, Gov. William

instructed to end Cherokee hostilities
5: 22, 222.

Menomini treaty commissioner 14:
20, 21.

Clark, Gov. William—Continued
Osage-Cherokee conference arranged
by 19: 105, 137.

Sioux calendar stick found by 26:
35.

Clark, W. P.

on absence of clans among Plains
tribes 17: 227.

on Apache picture records 17: 142.

on Apache tribal sign 17: 246.

on Bannock chronology 17: 372.

on Cheyenne characteristics 14:
1027.

on Cheyenne divisions 14: 1025.

on Cheyenne early habitat 14:
1024, 1029.

on Crow and Hidatsa separation 17:
154, 155.

on Dakota and Cheyenne chronology
17: 371, 372.

on Kiowa Apache migration 17:
248.

on Kiowa character 17: 235.

on Kiowa divisions 17: 229.

on Kiowa military orders 17: 230.

on Mandan tribal sign 17: 159.

on meaning of Hunkpapa 14: 1059.

on meaning of Ogalala 14: 1058.

on origin of name Pawnee 17: 291.

on Pawnee runners 17: 260.

on Sioux characteristics 14: 1059.

on Sioux custom of beheading 17:
260.

on slaughter of Cheyenne and Kiowa
by the Pawnee 17: 175.

on smallpox among the Blackfeet
17: 275.

Clark Creek, reference to 27: 100.

Clarke, Ben

on absence of clans among the Chey-
enne 14: 956.

local source of sign language 1: 317.

Clarke, Prof. F. W.

analysis of iron from mound by 5:
91.

analysis of pigment by 11: 142.

analysis of silver foil by 12: 501.

cited 30: 41.

Clarke, G. R., grant of land to 18:
657.

Clarke, H. E. 46: 48.

Clarke, J. C.

collection contributed by 42: 4.

collection secured by 42: 19.

Clarke, Peter, on Iroquoian migra-
tions 19: 189.

Clarke, W. M., petroglyphs reported
by 10: 115.

Clarke County, Mo., mounds in 5:
43.

Clarksville, Tenn., petroglyphs near
10: 114.

Clarksville, Va.

Occaneechi town near 42: 778, 779.

trail near 42: 764.

ware of 20: 149.

Classic Pantomimes 1: 286.

Classification

linguistic principles of 17: 300.

morphological, of languages of
America 24: xxii.

of arrows 38: § 134.

of baskets 38: § 448.

of burial 1: 92.

of Bureau of American Ethnology
researches 15: LXIX.

of canyon ruins 16: 92, 93.

of celts 38: § 7.

of expenditures for fiscal year 2:
xxxvii; 3: 93.

of form, Mississippi Valley pottery
4: 375.

of games 24: 31, 44 *sq.*, 809.

of hammocks 38: § 479.

of houses 38: § 298.

of Indian languages, literature relat-
ing to 7: 12-25.

of Indian tribal names 24: xxiv
sq., 36-43.

of Indian tribes 14: xxvii.

of linguistic families 7: 8, 12.

of masks 3: 93.

of mats 38: § 394.

of Peruvian trephining 16: 17, 71.

of Pueblo ruins 16: 89, 154.

of pottery 4: 272, 304, 306.

of Siouan stock 17: 127 *sq.*, 300*,
344*.

of stone art 13: 57, 142.

of trays 38: § 402.

See also **Anthropology**.

Clatsop

games of the 24:

hand game 282.

unclassified games 781, 782.

Claude. *See* **Konot**.

Clauton, M. E., bid of, for repair of
Casa Grande 15: 339.

Clavering, Captain —, Greenland Eskimo researches of 7: 72.

Claviceps Purpura, destructive to wild rice 19: 1027.

Claviceps sp., destructive to wild rice 19: 1027.

Clavigero, Francisco Javier

on Californian food habits 17: 209*, 212*.

on cities founded by Cortés 25: 243.

on Mayan feast days at opening of century 19: 675.

on Mexican calendar system 19: 935.

on Mexican division of year 19: 955.

on Mexican method of counting 19: 920.

on Nahuatl method of counting large numbers 19: 884.

view of, on Mexican year symbols 3: 43.

Clavigero, Francisco S.

cited 12: 672.

on Indian food 9: 523.

on Indian labrets 9: 497.

on Indian mats of reeds 9: 527 sq.

on signification of Mexican term 16: 244.

Clavigero, F. X.

on use of shell ornaments 2: 256.

on vessels in Mexico 2: 193.

Clavrie, Louis, mounds on land of 44: 410.

Claw Pattern

in arrow-feathering 38: § 132.

in basketry 38: § 445.

Claw-and-Mirror Trick 14: 99 sq.

Claws

animal, use of, in battle 14: 790.

attached to amulet 14: 904.

of birds, used with embroidery 13: 28.

symbolic use of 15: 169.

used in Ghost dance 14: 916.

Clay, Henry

opposition to removal project by 19: 129.

resolution by, regarding title to Texas 5: 355.

sympathy with Cherokee 5: 287.

Clay, Jesse

a Peyote leader 37: 419.

account by, of Peyote ceremony 37: 415-419.

innovation of 37: 422.

Clay

baking oven griddle or hearth of 38: § 362, 364.

Cherokee and Catawba pottery 20: 53 sq., 55, 56.

colored, use of, in Hako ceremony 22, ii: 20.

cooking cylinders supporting the hearth 38: § 364.

eastern United States pottery 20: 45 sq.

Eskimo paint made of 18: 198.

Eskimo toys made of 18: 343.

Eskimo utensils made of 18: 63 sq.

first use of, in the arts 20: 49.

flute made of 38: § 562.

for pottery, description of 26: 124 sqq.

influence of strength of, on forms of vessels 20: 62.

Iroquoian pipes 20: 173.

Middle Atlantic Coast pottery 20: 155, 158.

mixed with certain ingredients 38: § 90.

modeling in 30: 139 sq.; 38: § 612.

musical instruments, etc., of 38: § 557.

on the head, significance of 27: 129.

pigments, red 38: § 28.

pots and vessels of 38: § 389-391.

pottery 38: § 89.

Tewa name for 29: 582.

trumpet made of 38: § 556.

use of, as paint 20: 42, 86.

use of, in pottery 15: 21.

use of, in protecting vines used in suspension from fire 20: 58.

used by Zuñis in making pottery 2: 329.

used to cover fire 41: 500, 501.

See also **Color; Material; Paint; Paste; Pottery; Washes.**

Clay Articles

catalogues of 3: 531-575.

composition of 2: 325.

decoration of 2: 322.

from Acoma 2: 404.

Clay Articles—Continued

- from Canyon de Chelly 2: 419.
- from Cochiti 2: 405, 459.
- from Cuyamunque 2: 436.
- from Jemez 2: 417, 452
- from Laguna 2: 399.
- from Nambé 2: 439.
- from Old Pecos 2: 418.
- from Old Pojuaque 2: 441.
- from other localities 2: 421.
- from Pietograph Rocks 2: 420.
- from Pojuaque 2: 439.
- from San Ildefonso 2: 461.
- from San Juan 2: 416, 456.
- from Santa Ana 2: 458.
- from Santo Domingo 2: 409, 451.
- from Silla 2: 454.
- from Taos 2: 464.
- from Tesuke 2: 410, 450.
- from the Jicarilla Apache 2: 417.
- from Wolpi 2: 378.
- from Zuñi 2: 343.
- measurements of 2: 323.
- Clay Balls**, appearance of, in pictures of Hopi kachinas 21: 115.
- Clay Basket**, use of, in Hopi festivals 21: 107.
- Clay-eating**
 - custom of, in different parts of the world 9: 537-540.
 - of the Guiana Indians 38: § 253.
 - with potatoes 30: 71.
- Clay Heads.** *See* Pottery.
- Clay Old Woman**, a supernatural 47: 343.
- Clay Surface** of Pueblo roofs 8: 151.
- Clay Tubes** used as roof drains 8: 155.
- Clayborne, William**, claims to land in Maryland by 18: 571, 572.
- Clayoquot**
 - games of the 24:
 - dice games 196.
 - hand game 319.
 - ring and pin 528, 558 sq.
- Clays and Pigments**
 - specimens of, from Zuñi 2: 367.
 - used by Santa Clara Indians in manufacture of pottery 2: 331.
- Clayton, J. B.**
 - custodian of manuscripts 31: 23.
 - work of 25: xxiv; 26: xxxi; 27: 13; 28: 14, 18; 29: 24; 30: 24.
- Clayton, Powell**, mounds on land of 12: 242.
- Claytonia Lanceolata** 45: 482, 511.
- Cleaners** for pipe bowls, Eskimo 18: 281 sq.
- Cleanliness**, native houses, Savonga 46: 92.
- Cleansing Ceremony** 47: 307-314.
- Clear Creek**, caves on 28: 188.
- Clear Creek Canyon**, cliff houses in, reference to 22, i: 20.
- Clear Lake.** *See* Round Valley Reserve.
- Clematis Columbiana**, use of 45: 459.
- Clematis Ligusticifolia**, use of 45: 459.
- Clemclemalats**, stick games of the 24: 249.
- Clément, Basil**, interpreter, on Winter count 4: 90, 91, 111, 113, 120, 122.
- Clement, Clara Erskine**, Handbook of Legendary and Mythologic Art 4: 54.
- Clements, C. C.**, special agent on Cherokee claims 5: 308.
- Clerical Work** of the Bureau of American Ethnology 25: x, xxiv sq.; 29: 24; etc.
- Cleu, J. F.**, split-cane matting found by 13: 37.
- Cleveland, F.**, shell vessels described by 2: 97.
- Cleveland, Henry J.**, agent for Pima 26: 32.
- Cleveland, Rev. William J.**
 - cited 4: 129.
 - Oglala gentes obtained by 15: 220.
 - on Sitca^axu gentes 15: 218.
 - on tree and scaffold burial 1: 158.
- Clickahut**, a Klû'kâtât synonym 14: 738.
- Clickitat**, a Klû'kâtât synonym 14: 738.
- Cliff Dwellers**
 - definition of 17: 531.
 - home of 23: 13, 14.
 - mention of 4: 202, 304, 305.
 - preservation of grave of 41: 52.
 - Pueblo, relationship of, with Pima 26: 144.

Cliff Dwellers—Continued

supposed builders of Sun temple
37: 6.

Cliff Dwellings

absence of chimney in 8: 168.
absence of, in Verde Valley 13:
187, 260.
and Zuñi ruins compared 13: 344.
built by Zuñi ancestors 13: 343.
decorated fabrics from 28: 148.
developed from temporary shelters
8: 217.
examination of 7: xviii-xxiv.
implements from 24:
Canyon de Chelly 717, 751.
Chaco Canyon 648.
Mancos Canyon 47, 427, 648.
in Arizona 13: 224.
in Colorado 28: 151.
in Sierra Madre, Mexico 28: 151.
in Upper Verde region 28: 188,
194.
in Verde Valley 28: 198.
mention of 4: 284, 286, 293, 478,
479, 480.
Moen-kopi 8: 54.
nomenclature of 13: 359.
occupied in historic times 8: 225.
pictographs in 28: 197.
pottery of 28: 137, 138, 139, 141.
resemblances among 28: 151.
use of term 28: 117, 193.
use of whitewash in 8: 74.
why constructed 13: 260, 347.
See also **Cavate-lodge; Cliff Houses.**

Cliff Houses

age of, in Red Rocks 17: 545.
and Pueblos similar 17: 537.
formerly occupied by the Hopi 17:
578.
human hand figures on 17: 668.
in Arizona, character of 22, i: 187.
in Arizona, discovery of, by Doctor
Russel 22, i: xiii.
in Walnut Canyon 17: 532.
of the Red Rocks 17: 548, 549.
of Verde Valley, classification of
17: 536.

See also **Cliff Dwellings.**

Cliff Palace

and Honanki, comparison of 17:
552.
repair of 30: 21.
views of 30: 30.

Cliff Ruins

classification of 16: 155.
of Canyon de Chelly, memoir on
16: xci, 73-198.
researches among 15: xxxvii,
xlili, xlvii; 16: xix, xx, xxiii,
xxvi, xxvii, xxx, xxxviii, xl,
xlili, xlvii, l, lxi, lxvii.

Cliff's Ranch, pictographs near 17:
548.

Clifton, Tenn., flint workshop near
44: 521.

Clifton, W. Va.

Indian remains at 42: 755.
mounds 5: 55, 58.

Clifton Quarry

collections from 15: lix.
pipestem from 15: 133.
researches in 15: li, lv, lxxv, 108,
113.

Climate

beliefs concerning 45: 176 sq.
effect of, on development of arts
20: 22 sq.
influence of, on breadth of nose 46:
242, 267, 268, 269.
of Cibola, Coronado's account of
14: 559.
of cliff ruin region 16: 83.
of country of Western Eskimo 18:
23.
of Pimería, general character of 26:
36, 56, 155.
of Pimería, winds 26: 154.
of Point Barrow, Alaska 9: 30 sqq.
of Sonoran province 17: 23 sqq.
of the Ungava district 11: 172.
of Upper Missouri 46: 410.
of Zuñi 47: 473 sq.

Climatic Conditions, effect of, upon
Pueblo architecture 8: 140, 227.

Clinch River

ford of 42: 794 sq.
fort on, at Tennessee River 42:
841.

**Clinch River and Cumberland Gap
Trail** 42: 845 sq.

Clinch River Valley, trail through
42: 770.

Clinton, G. P., on wild rice in Illinois
19: 1029.

Clintonia Borealis, use of 44: 288
354, 377.

Cloet, Jan, permit to purchase land issued to 18: 579.

Closed Stone Yokes 25: 253.

Cloth

from Pueblo ruins, fragmentary specimens of, preservation of 22, i: 97.

methods of manufacture of 13: 22.
used in imbrication 41: 226.

See also **Fabrics; Weaving.**

Cloth Screen, use of, in Hopi festivals 21: 41, 42.

Clothes and Body Decoration of the Guiana Indians 38: p. 419-449.

Clothing

affected by advent of trader 27: 616.

at meetings of Hethu'shka 27: 461.

ceremonial 39: 196.

cost of 46: 585-588.

decorated with hair 46: 560.

general description of 27: 354 *sqq.*

genesis of 17: 231* *sq.*

made of skins 46: 504, 506.

materials for 27: 272, 347 *sq.*

men's 40: 329, 344; 45: 66-70; 46: 589 *sq.*

mention of 33: 620, 621, 628.

modern 45: 80 *sq.*

of ancient Southwesterners 13: 358.

of children 45: 72 *sq.*

of ceremonial attendants 40: 257.

of dance leader 40: 504.

of head chief, used as talisman 42: 432.

of members of Pebble society 27: 565.

of members of Shell society 27: 519.

of the Assiniboin 46: 464 *sq.*, 584-590.

of the Coeur d'Alène 45: 65-81.

of the Eskimo 18: 30-44.

of the Flathead 45: 334-339.

of the Hopi 14: 517.

of the Indians at Quivira 14: 582.

of the Indians at Sonora 14: 515.

of the Indians taken by Spaniards 14: 495.

of the Northern Indians 11: 208, 281.

of the Okanagan 45: 225 *sq.*, 230-236.

of the Pima 26: 117 *sq.*, 157 *sq.*

of the Plains Indians 14: 507.

Clothing—Continued

of the Pueblo Indians 14: 404, 517, 549, 562, 563, 569, 573, 586, 595

of the Seri 17: 10, 224*-232*.

of the Seri, decoration of 17: 171* *sqq.*

of the Siouan Indians 15: 172.

of the Winnebago, men's, description of 37: 106.

of warriors 27: 409 *sqq.*

origin of 27: 71.

ornamentation of 45: 236.

renewal of 46: 588.

rites for obtaining 27: 195.

robes 27: 354, 356-362.

special, for war 45: 118 *sq.*

storage of, in caches 27: 98 *sq.*

women's 40: 344; 45: 70 *sq.*; 46: 587 *sq.*

worn in Kashim 18: 287.

worn while sleeping 46: 590.

See also **Adornment; Clothing, Eskimo; Costumes; Dress; Spinning; Weaving.**

Clothing, Eskimo (*of Point Barrow*).

arm clothing 9: 123 *sqq.*

belts 9: 135-138.

belt fasteners 9: 138.

boots 9: 129-135.

breeches 9: 125-129.

frocks, description of 9: 113-121.

frocks, trimming of 9: 114, 119

gloves 9: 124.

head clothing 9: 112.

ice creepers 9: 135.

leg and foot clothing 9: 128-135.

mantles 9: 121 *sq.*

material of 9: 109 *sq.*

mittens 9: 123, 125.

ornaments 9: 138.

pantaloon 9: 126-129.

rain frocks 9: 122.

shoes 9: 129-135.

stockings 9: 129.

style of 9: 110-138.

Clothing, Omaha

children's 3: 265

dressing hides for 3: 310.

mention of 3: 310 *sq.*

preparation of 3: 310.

Clothing Bags of the Eskimo 18: 43 *sq.*, 204.

Cloud, Leslie

- information furnished by 42: 198, 216.
- medicine-maker of Tuskegee 42: 549.
- myth related by 42: 636.

Cloud

- leaf-strand figure of 38: § 621.
- myths of 11: 37.
- Serian and Yuman words meaning 17: 340* sq.
- string figures of 38: § 659, 686.
- symbolized by death mask 15: 312.
- symbols in Hopi pictography 15: 311.
- symbols in Zuñi and Walpi 15: 309.
- symbols of meal 15: 285.
- symbols on Tusayan headdress 15: 269.
- symbols on Tusayan kilts 15: 295.
- See also Clouds; Rain-cloud.*

Cloud Clan

- same as Okuwañ clan 19: 615, 621.
- See also Patki Clan.*

Cloud Design. *See Terrace Cloud Design.***Cloud Emblems.** *See Rain-cloud Designs.***Cloud Horse**, visit of, to Wovoka 14: 797, 819.**Cloud People**, clans of 22, i: 24.**Cloud River**, stone-chipping by natives of 13: 141.**Cloud Shield**

- chart 4: 95, 129, 146.
- Winter Count of 10: 269-523.
- See also Corbusier Winter Counts.*

Cloud Symbols

- comparison of 16: 223.
- in the codices 16: 222, 258.
- in Tusayan sand pictures 16: 278, 287, 300.
- on Oraibi kilts 16: 293.
- on Tusayan altars 16: 291, 299.

Clouds

- as supernaturals 47: 66.
- belief concerning 47: 487.
- descent of man from 30: 141.
- in Pima mythology 26: 239 sq., 249, 348 sq.
- in Pima song 26: 305, 314, 333, 334.
- representation of, in pottery decoration 20: 100.

Clouds—Continued

- signification of 23: 21.
- signs and symbols for 10: 700 sq.
- songs of the 39: 351-355.
- terms relating to 29: 54-57.
- See also Cloud.*

Clough Farm, mounds on 44: 500.**Clover**

- cooking of 35: 527, 531.
- digging of 35: 186 sqq.
- in Cherokee lore 19: 421.
- preparation of 32: 528.
- purple prairie 33: 94.
- white prairie 33: 94.

Clover Garden 35: 186 sq.**Clover Root**

- baked 35: 533.
- raw 35: 534.

Clown-Priest, figures on Hopi pottery 17: 659.**Clowns**

- appearance of, in Hopi foot races 21: 114.
- appearance of, in Hopi kateina pictures 21: 76, 78, 83.
- association of, with Piptuka 21: 116.
- association of, with war 47: 345.
- association of, with Wikteina 21: 116.
- function of 47: 498.
- in Hopi Calako 15: 297, 298.
- in Hopi ceremonies 15: 261, 265, 267, 274, 285, 293.
- participation in Powamû dance by 21: 33, 91, 92.
- personation of, in Pamûrti 21: 27.
- struggle of, with Great Snake effigy 21: 87.

See also Koyemci; Tcukuwimpkya.

Club

- Guiana Indian, for dancing 38: § 593.
- Guiana Indian, for fighting 38: § 149-154.
- songs of decorating the 39: 355-358.
- used as Eskimo weapon 9: 191.
- See also Clubs.*

Club Heads, stones used as 13: 97, 98, 100.**Club Men**, an Arapaho warrior order 14: 987.

- Clubhouse** (*or* **Kû'dyîgi**) of the Eskimo 9: 79 *sq.*
- Clubs**
 for killing fish, Eskimo 18: 184.
 for killing seals, Eskimo 18: 127.
 of deer-horn made by the Iroquois 13: 143.
 of jasper, description of 13: 143.
 of North Carolina Indians 13: 144.
 stone heads of 46: 134, 135, 148.
 war, of the Omaha 13: 283.
See also **Batons; Club; War-clubs.**
- Clubs, Indian** 14: 498.
- Cluster Lily**, use of 45: 481, 482.
- Clustering of Tâaaiyalana Ruins** 8: 89 *sq.*
- Clute.** *See* **Cloet, Jan.**
- Coa.** *See* **Planting Sticks** (*Antillean*).
- Coachman, Ward**
 head chief 42: 331.
 second chief 42: 331.
- Coahuila**
 a Mexican state 14: 545.
See also **Cahwia; Kahwea; Kawia; Mission Indians; Tule River Reserve.**
- Coahuiltecan Family** 7: 68, 69.
- Coahuilteco**, linguistic relations of 42: 678.
- Coal**
 of the Point Barrow region, Alaska 9: 61.
 Tewa name for 29: 580.
 used in pottery firing, mineral 4: 495, 496.
- Coal River Trail** 42: 770.
- Coale, Charles B.**, on pictographs 4: 33.
- Coast, Western Alaskan**, crania from 46: 254, 256.
- Coast and Geodetic Survey.** *See* **United States Coast and Geodetic Survey.**
- Coast and Interior Cultures**, contrasted 42: 718-724.
- Coast and Interior People**, relations of 42: 724 *sqq.*
- Coast Indians**, name of, in sign language 45: 147.
- Coast Pilots of Alaska** 46: 179.
- Coast Range Region, Calif.**, field work in 20: x.
- Coast Reserve.** *See* **Siletz River.**
- Coat Shooting of the Dakota** 24: 392.
- Coatepec, Mexico**, ruins at 26: xv.
- Cobbles**
 Seri use of, as tools and weapons 17: 234*-246*, 248*, 255*.
See also **Boulder.**
- Coça**
 punishment in, for adultery 42: 347.
 Spanish visits to 19: 23, 24, 26, 29, 194, 200 *sq.*
- Cochin**, letter from, to Mendoza 14: 412.
- Cochitemi**, a Keresan dialect 7: 83.
- Cochiti**
 claimed to be a former Tewa pueblo 8: 37.
 population of 7: 83.
 stone cougars of 26: xviii.
- Cochiti Indian**
 cardinal directions of 29: 42.
 communal huts of 29: 414.
 conception of sun and moon by 29: 46.
 geographic names of 29: 100.
 language of 29: 521.
 legends of 29: 452 *sq.*
 name applied to 29: 574.
 name for cloud 29: 54.
 pottery of 29: 457.
 region claimed by 29: 409.
 shrines of 29: 419 *sq.*, 428.
 successive homes of 29: 412, 418, 433 *sq.*, 435, 440 *sq.*
 visit of, to Washington 34: 28.
- Cochiti Katcinas**, notes on 47: 1002, 1013, 1056, 1082.
- Cochiti Pueblo**
 act of Congress affecting 18: 920.
 collection from 2: 405, 459.
 mention of 2: 433; 14: 525.
- Cochmans Brothers**, chief 42: 322.
- Cochran, Capt. C. S.** 46: 31, 86, 117, 122, 172.
- Cock.** *See* **Kowalko.**
- Cocke, John**, commissioner to extinguish Cherokee title 5: 241.
- Cocke County, Tenn.**, collection from 3: 433, 438-441.
- Cocklebur**
 in Cherokee lore 19: 426.
 used for food 30: 71 *sq.*
 used in medicine 30: 62.
- Cockles**, used as bait 35: 178.

- Cockram, James**, sale of land to 18: 633.
- Coco**, Alvarado's name for Acoma 14: 594.
- Cocoanut Forms**, in Middle Mississippi Valley pottery 20: 94.
- Cocomaques**, classification of 17: 102, 103, 104, 130*.
- Cocomcahra** land cessions and reservations 18: 788.
- Coco-Maricopa**
musical instruments of 26: 167.
on hostility of Pima 26: 26.
reference to 28: 58.
See also **Maricopa**.
- Cocomaricopa Gileños**
relations of, with Yavapai 26: 200.
See also **Maricopa**.
- Coçonico Indians** 3: xviii.
- Coconoon** land cessions and reservations 18: 780.
- Coconoon Tribe** 7: 90.
- Cocopa**
dwellings of the 26: 155.
games of the 24:
ball race 666, 681.
dice games 199.
hand game 326.
in fight with the Pima-Maricopa force 26: 47.
in fights with the Apache 26: 42.
land cessions and reservations 18: 922.
Snake dance among the 16: 311.
See also **Cocopa Indians**.
- Cocopa Indians**
collections made among the 22, i: xxxix.
field study of the 22, i: xi sq.
girl's puberty feast among the 22, i: xxviii sq.
habitat of the 22, i: xix sq., xxvii.
marital customs among the 22, i: xxviii.
mortuary advances among the 22, i: xxi, xxviii.
researches among the 41: 61 sq.
subsistence of, method of 22, i: xx sq.
See also **Cocopa**.
- Coddington, —**, purchase of land by 18: 622.
- Codex**
Bologna 3: 28.
Borgian 3: 23, 24, 26, 28, 57.
Chimalpopoca 3: 46.
Cortesianus 3: 7, 8, 9, 25, 26, 31, 34, 35, 36, 41, 54, 55, 56.
Cortesianus, cited 15: 271.
Cortesianus, similarity of, to manuscript Troano and Dresden Codex 6: 286.
Dresden 3: 23, 63.
Fejervary 3: 31, 35.
illustrating Mexican weaving 3: 391.
Persianus 3: 18, 19, 20, 22, 26.
Telleriano Remensis 1: 243.
Vatican 3: 27, 28, 50, 56.
- Codfish**
black 35: 382, 392.
drying of 35: 253.
eaten at breakfast 35: 253.
Eskimo implements for catching 18: 181.
eyes of 35: 388.
fresh 35: 379, 382.
head of 35: 388.
method of cutting 35: 253, 379, 380, 382, 383.
red 35: 392.
roasted 35: 390, 391.
tainted 35: 386.
- Codices**, numeral system in the 19: 812-819.
- Çon-dseu'-gthia**, a division of the Osage 36: 45.
- Cody, W. F.**, ordered to arrest Sitting Bull 14: 854.
- Coeruleo, Purpureus** 45: 493.
- Coeur d'Alène**
land cessions and reservations 18: 846, 866 sqq., 942, 944, 948.
present habitat of the 14: 805.
sketch of the 14: 733.
- Coeur d'Alène Indians**
account of 45: 37-197.
associations of, with other tribes 45: 319 sq.
basketry of 41: 146, 154, 155, 205.
characteristics of 45: 325.
environment of 41: 143.
Flathead name for 45: 300.
hunting grounds of 45: 305.
imbrication among 41: 140.

- Coeur d'Alène Indians**—Continued
 meaning of Indian names of 45: 144.
 present day population of 45: 315.
 shapes of baskets of 41: 138, 141.
See also **Coeur d'Alène**.
- Coeur d'Alène Lake**, traditional seat of the tribe 45: 38.
- Coeur d'Alène Reserve**
 changes in 18: 866 *sq.*, 944, 948.
 establishment of 18: 846.
- Coeur d'Alène Tribe**, population of 7: 105.
- Coffee, General** —
 attack on Creeks at Tallaseehatchee 19: 90, 91.
 on battle of Horse-Shoe Bend 19: 93-96.
 wound received by, at Emukfaw Creek 19: 92.
- Coffee, John A.**
 appointed to report on line between Cherokee and Georgia 5: 270.
 appointment of, to assist in Cherokee removal 5: 260.
 objection to survey by 5: 207, 208.
 survey by 18: 705.
- Coffee**, among the Cherokee 19: 214.
- Coffey, Dora S.**, killed at Wounded Knee 14: 872.
- Coffin, E. F.**, aid of, in work of excavation 38: p. 2.
- Coffins**
 beliefs regarding 35: 686.
 of the Eskimo 18: 310-322.
See also **Belief (regarding coffins); Burial; Mortuary Pottery**.
- Cofitachiqui**
 a supposed Yuchi town 7: 126.
 identified as Kasihta 42: 310.
 people of 19: 499.
 reference to dress of 42: 683.
 Spanish visits to 19: 23, 24, 28, 193 *sq.*
- "Cogged" Stone**, cast of, given to bureau 47: 13.
- Cognition** 3: XLVI.
- Cognition of Languages** 7: 11, 12.
- Cogswellia Dancifolia** 33: 107.
- Cogswellia Nudicaulis** 45: 473.
- Cogulludo**, —, on the interpretation of Mexican calendars 3: 38, 40.
- Cohama** land cessions and reservations 18: 786.
- Cohosh, Blue**
 use of 44: 288.
See also **Caulophyllum Thalictroides**.
- Cohuatl** day symbol, discussion of 16: 229.
- Cohutta Mountain**, myths concerning 19: 299, 302, 461, 462.
- Collin Ornamentation** 4: 278, 282.
- Coil-made Pottery** 4: 273-299.
- Coil Method**
 influence of, on ornament 20: 65.
 pottery making by, eastern United States 20: 50 *sq.*, 54, 56, 57, 161.
- Coiled Basketry**
 distribution of 41: 154.
 form of 41: 167.
 material used in 41: 137.
 tribes making 41: 137.
See also **Basketry**.
- Coiled Pottery**
 how made 4: 500.
 imitation of 4: 299.
 ware and white ware, relative antiquity of 4: 350-359.
- Coiled Type** of basketry from Chevelon, cut showing 22, i: 99.
- Coiled Vessel** from Kintiel, cut showing 22, i: 99.
- Coiling**
 direction of 41: 160.
 of the Pueblos 4: 273 *sq.*
 parallel 41: 170 *sq.*
 technique of 41: 159-167, 170 *sq.*
 the preferred technique 41: 361.
- Coils**
 flat, use of 41: 135.
 looped 41: 166.
 round, use of 41: 135.
 size of 41: 164 *sq.*
 suggesting spiral ornament 4: 456.
 uniformity of 41: 161.
- Coins**
 use of, among the Eskimo 11: 212.
 use of, among the Navaho silver-smiths 2: 177.
- Cokeboka**, blessed during fast 37: 387.
- Colander**, fragments of, from Tusayan ruins 17: 624.
- Colbert, G.**, reservation for 18: 682, 694.

Colbert, Levi

- a Chickasaw chief 42: 826.
- mention of 42: 827.
- owner of ferry 42: 813.
- reservation for 18: 682, 694.

Colbert, identification of 17: 248.**Colbert County, Ala., mounds in** 44: 463 sq.**Colbert's Ferry**

- mention of 42: 825, 826, 827.
- Natchez Trace, crossing at 42: 813, 814.

Colby, Gen. L. W.

- acknowledgments to 14: 655.
- in Sioux outbreak 14: 861, 867, 876.
- letter from McGillicuddy to 14: 831.
- on close of Sioux outbreak 14: 888.
- on killing of Lieutenant Casey 14: 889.
- on mortality at Wounded Knee 14: 871.
- on second encounter at Wounded Knee 14: 882.
- Sioux child adopted by 14: 879.

Colchester, Vt., vessel found at 20: 169.**Cold (=weather)**

- mention of 46: 62, 66, 69, 72, 73, 75, 96, 100, 101, 103, 104, 105, 106, 108.
- pictographs for 10: 605 sq.
- signs for 1: 345, 486.
- terms relating to 29: 53.

Cold Bay 46: 188.**Cold-bringing Woman** 21: 83, 84.**Cold Mountain, myth concerning** 19: 480.**Colden, Cadwallader**

- on Indian policy 18: 558, 583.
- on Iroquoian migrations 19: 189.
- on Iroquois 19: 485.
- on name Allege'wi 19: 184.

Colds

- how treated by the Zuñi 30: 49, 55.
- treatment of 42: 661, 663, 664, 667, 668.
- wormwood used for 30: 42.

Coldwater, burning of 19: 67.**Coldwater Indians, basketry of** 41: 445 sq.**Coleman, Charles**

- cited on Hindu powders 9: 515.
- cited on sacred cords 9: 565.

Colerain

- Creek peace made at 19: 81.
- treaty of 18: 658.

Colima

- illness of Mendoza at 14: 551.
- ravines of 14: 505.
- town in western New Spain 14: 385.

Colin, Mrs. Lee, collection presented by 41: 116.**Coll y Toste, Señor —**

- Antillean language studied by 25: 77.
- on name Borinquen 25: 78.

Collaborators

- in sign language, list of 1: 401.
- of the Bureau 48: 1188 sq.
- suggestions to 4: 254, 256.

Collars

- Middle Mississippi Valley pottery 20: 90, 92.

See also **Necks; Ruins.**

Collars, Stone

- characteristic of Greater Antilles 34: 180.
- comparison of, with elbow stones 34: 200 sq., 207 sqq.
- confined to Porto Rico and Haiti 34: 187.
- distribution of 34: 199.
- fragment of, found in St. Croix 34: 168.
- interpretation of form of 34: 207 sqq.
- mention of 34: 187-198.
- parts of 34: 188.
- possible use of 34: 198.
- probable origin of 34: 61.
- theories concerning use of 34: 263 sqq.
- two types of 34: 187.
- where found 34: 60, 61, 169.

Collected Bones, interment of 1: 170.**Collecting Signs, suggestions for** 1: 394.**Collections**

- acquisition of 20: xxiv.
- archeological 46: 88.
- bought by J. T. Couden 3: 495-506.

Collections—Continued

- by Capt. C. Bendire 3: 492.
- by Dr. Willis de Haas 3: 490.
- by G. H. Hurlbut 3: 508 *sqq.*
- by Edward Palmer 3: 483, 489.
- Casa Grande 28: 20, 118-121.
- Casa Grande, by Dr. J. W. Fewkes 28: 121, 161-179.
- cataloguing of, of 1881 3: 427-592.
- description of 29: 16 *sq.*, 19, 20 *sq.*
- Edward E. Ayer, early documents in 38: p. 4.
- ethnologic, added to the National Museum 23: xli.
- ethnologic, made by E. W. Nelson in Alaska 18: 21.
- from Acoma 2: 404.
- from Arizona, Wolpi 3: 587.
- from Arkansas, Carson Lake town-ship 3: 468.
- from Canyon de Chelly 2: 419.
- from Cherokee Indians 3: 433, 489.
- from Chickasawba mound 3: 469.
- from Cochiti 2: 405, 459.
- from Cuyamunque 2: 435.
- from Georgia 3: 506.
- from Indiana 3: 506.
- from Jefferson County 3: 463-468.
- from Jemez 2: 417, 452.
- from junction of Pidgeon and French Broad River 3: 440.
- from Laguna 2: 399.
- from Lawrenceville 3: 486.
- from Menard mound 3: 447.
- from Missouri 3: 495-509.
- from mounds at Arkansas Post 3: 476.
- from Nambé 2: 436.
- from New Mexico, Zuñi 3: 521.
- from Newport, Tenn. 3: 438.
- from North Carolina 3: 434, 437.
- from Ohio mounds 3: 490, 491.
- from Old Pecos 2: 418.
- from Old Pojuaque 2: 441.
- from Oregon 3: 492, 494.
- from other localities 2: 421.
- from Pecan Point 3: 469, 470.
- from Pemiscott mound 3: 468.
- from Peru, South America 3: 508, 510.
- from Pictograph Rocks 2: 420.
- from Pojuaque 2: 438.
- from Pueblos 3: 511, 592.
- from Roane County 3: 457, 462.

Collections—Continued

- from Sandia, N. Mex. 2: 458.
- from San Ildefonso 2: 460.
- from San Jaun 2: 416, 456.
- from Santa Ana 2: 458.
- from Santa Clara 2: 415, 441.
- from Santo Domingo 2: 409, 450.
- from Sevier County 3: 442-456.
- from Silla 2: 454.
- from Taos 2: 464.
- from Tesuke 2: 410, 450.
- from the Jicarilla Apaches 2: 417.
- from Turquoise mine 2: 450.
- from Wisconsin 3: 506.
- from Wolpi 2: 375.
- from Zuñi 2: 337.
- made by the Bureau 16: xlii, xlv, l, liii, lviii.
- made during the year, detailed ac-
count of 22, i: xxxviii *sq.*
- number and character of 12: 22 *sqq.*
- of amulets, hunting and war 3: 527.
- of arrows 3: 589.
- of articles of animal substances 3: 437, 453, 458, 460, 467, 586.
- of articles of clay 3: 434, 443, 456, 463, 469, 471-475, 476, 479, 485, 487, 488, 491, 495, 507, 531, 575.
- of articles of metal 3: 446, 485.
- of articles of shell 3: 437, 446, 452-456, 458, 461, 466.
- of articles of stone 3: 431, 442, 453, 457, 465, 470, 478, 490, 492, 520, 587.
- of articles of vegetal substances 3: 435, 520, 575.
- of axes 3: 521.
- of baskets 3: 546, 576, 580, 589.
- of bowls 3: 546, 564.
- of bows 3: 589.
- of condiment vessels 3: 569.
- of cooking pots 3: 564 *sqq.*
- of cups 3: 545.
- of dippers 3: 566.
- of effigies 3: 574.
- of gourds 3: 589.
- of headdresses 3: 590.
- of implements of gambling 3: 581.
- of implements of the dance 3: 582.
- of implements of the loom 3: 580.
- of Indian specimens, size and value of 2: 319.
- of instruments of war and chase 3: 581.

Collections—Continued

- of ladles 3: 566, 575.
- of metates 3: 521.
- of mortars 3: 522.
- of mullers 3: 524.
- of paint jars 3: 573.
- of paint pots 3: 570, 573.
- of pitchers 3: 543.
- of rattles 3: 589.
- of spoons 3: 560-575.
- of the Historical Committee of the American Philosophical Society, cited 4: 158.
- of trephined crania 16: xc.
- of water bottles 3: 533-538.
- of water containers 3: 538-543.
- of water jars 3: 531 *sqq.*
- of water jugs 3: 538, 543.
- report on 45: 18 *sq.*
- summary as to 28: 20 *sq.*
- transferred to United States National Museum 39: 27; 40: 20.
- transportation of 46: 62, 84, 123.

Collections, West Indian

- Connell 34: 159.
- Dehesa 34: 169.
- Guesde 34: 128-137.
- Heye 34: 49 *sqq.*
- in European museums 34: 50.
- in Habana 34: 248.
- made by De Booy 34: 49, 63.
- Meriño 34: 227.
- Taylor 34: 11, 81, 86.
- transferred to the National Museum 34: 29.

Collections of the Bureau of American Ethnology, acquired or made

- by, or of 19: xviii, xx *sq.*, xxix; 24: xxviii *sq.*; 25: xxi *sq.*; 26: xxviii; 30: 21; 38: p. 20; 41: 19 *sq.*; 43, 72 *sq.*, 95, 115 *sq.*; 42: 18; 43: 18; 44: 17 *sq.*; 45: 18 *sq.*; 46: 15 *sq.*; 47: 13 *sq.*; 48: 20 *sq.*

College Station, steatite vessel from

15: 111.

Collens, J. H.

- excavations made by 34: 66.
- on Trinidad pottery 25: 190 *sq.*
- quoted on archeology of Trinidad 34: 68.

Colleston, J. C., observations regarding hut rings by

12: 42.

Collet, John

- notice of Angel mounds by 12: 556.
- statement of, regarding salt-kettle pottery 12: 168.

Collett, Mrs. J. E., mound on farm of

12: 344.

Collett, O. W., visit to salt-making pottery producing site by

20: 31.

Collie, A., mention of

46: 231.

Collins, —, treaty concluded by

18: 851.

Collins, G. N., on origin of cotton

30: 78.

Collins, Henry B., jr.

- collection made by 43: 18; 44: 18.
- mention of 46: 161, 164, 174, 210, 238, 247, 254, 260, 295, 296, 324.
- work of 42: 3; 43: 13 *sq.*; 45: 14 *sqq.*

Collins, James, first settler in Clay County, Ky.

42: 783.

Collins, J. Franklin, on wild rice in Rhode Island

19: 1032.

Collins, Supt. J. L., on arms given to Pima

26: 51.

Collins, Lewis

- cited 12: 696.
- notice of ancient work in Kentucky by 12: 579.

Collins, Mary C., quoted on symbolism

11: 531.

Collins, Ralph P., on Pogueate

29: 539.

Collins, Thomas J., on dice games, Kekchi

24: 141 *sqq.*

Collinsia Violacea, medicinal use of

42: 667.

Collinson, —, cited

6: 503.

Colly, Agent

- Kiowa delegation with 17: 177.
- on Indian troubles of 1864 17: 314.

Colombia, character of pottery from

20: 20.

Colon, Panama. See Tule Indians.**Colonel's Island, Ga., burial vase from**

20: 133.

Colonial Period of Cherokee history

19: 29-46.

Colonial Policy toward Indians

18: 562-639.

Colonists

- of New Spain, characteristics of 14: 373.
- trails used by 42: 731.

Colonization of New Spain 14: 374.

Coloose Creek, mention of 42: 36, 38.

Color

aboriginal American pottery 20: 63.

absence of, in specimen examined by P. Kalm 20: 59.

Catawba pottery 20: 55, 143.

ceremonial use of 10: 619-622.

Cherokee pottery 20: 56.

classification of wares from Pueblo ruins by 22, i: 58-61, 179 *sq.*

decorative use of 10: 619-622.

designating social status 10: 633 *sq.*

differentiation of, by Indians 14: 1032.

divisions of the Zuñi 13: 369.

effect of firing on 20: 53.

Florida Peninsula pottery 20: 117 *sq.*, 121, 126.

for war and peace 10: 631 *sqq.*

Gulf Coast pottery 20: 106, 111.

ideocracy of 10: 622 *sqq.*

in Mississippi Valley pottery 4: 373, 374.

Indian, Eskimo, Yukon 46: 151, 161.

Iroquoian pipes 20: 173 *sq.*

Iroquoian pottery 20: 162.

Middle Atlantic Coast pipes 20: 158.

Middle Atlantic Coast pottery 20: 153, 155.

Middle Mississippi Valley pipes 20: 99.

Middle Mississippi Valley pottery 20: 84 *sq.*

materials 4: 235, 236.

mention of 46: 364.

New Jersey-New England ware 20: 175.

Northwestern pottery 20: 193, 198, 199.

of coiled pottery 4: 283.

of designs in pottery 4: 302.

of Pueblo pottery 4: 269.

Pamunkey pottery 20: 152.

pleasures of 19: LXIII.

primitive ideas concerning 19: LXXXIV.

red 33: 322, 324, 646, 654, 655.

red as a sacred 14: 1037.

Color—Continued

relative to death and mourning 10: 629 *sqq.*

significance of 10: 618-637.

significance of, in Menomini ceremonial 14: 76.

South Appalachian pipes 20: 141.

South Appalachian pottery 20: 132, 138.

Spanish olive jars 20: 129.

symbolic use of, in general 10: 635 *sq.*

variations of, in katchina representations 21: 60, 82, 95.

variations of, on parts of the body of Hopi katchinas 21: 80.

Western Eskimo 46: 213-228.

See also **Color Decoration**; etc.; **Colors**.

Color Decoration

Apalachee-Ohio pottery, absence of 20: 180.

aboriginal American pottery 20: 42, 52, 63 *sq.*, 66 *sq.*

Florida pottery 20: 118, 124, 125, 127.

Gulf Coast pottery 20: 111, 112, 113.

Gulf Coast pottery, rarity of 20: 105.

Iroquoian pottery, absence of 20: 164.

Lower Mississippi Valley pottery 20: 103.

Middle Mississippi Valley pottery 20: 84, 86, 87, 88, 93, 95, 96, 98, 100, 101.

South Appalachian pottery 20: 138.

southern and northern pottery 20: 187.

Color in Textile Art 6: 201, 202.

Color of Seri 17: 137* *sq.*

Color of Specimens 34: 132.

Color Phenomena in textile ornament 6: 215-232.

Color Symbolism

in Ghost dance 14: 919.

in Shaker ceremony 14: 761.

in Smohalla ritual 14: 725, 729.

in the codices 16: 223, 228.

in Tusayan sand pictures 16: 278.

of the Cherokee 7: 342, 343.

of the Zuñi and Moki 15: 308.

Color Symbolism—Continued

of Tusayan altar 16: 278 sq., 287, 291.

Colorado

adobe of 14: 520.
 ancient cultural center 28: 157.
 antiquities of 28: 17.
 antiquities of, paper on 40: 17.
 archeological work in 40: 3.
 Chiquito 4: 306.
 ethnological work in 39: 12.
 field work in 23: ix, xvi, xvii; 27: 7, 10.
 Indian pottery 4: 276
 maps 4: 158.
 military posts, etc., in 17: 382.
 office work on material from 20: ix.
 outlawry of hostile Indians in 17: 176.
 petroglyphs in 10: 72-75.
 plateau house sites 4: 281.
 pottery of 4: 281, 305, 321-357.
 researches in 30: 11, 20, 22.
 rock carvings in 4: 27.
 ruin 4: 319.
 ruins, age of 28: 150.
 ruins, cliff dwellings 28: 151.
 ruins, pottery 28: 137, 139, 140.
 work in 7: xxi-xxiv; 29: 10, 16 sq., 20.
See also Little Colorado.

Colorado and New Mexico, archeological map of 26: xx.

Colorado Juniper, use of 45: 465, 498, 512.

Colorado River

discovery of 14: 403, 574.
 petroglyphs on, Utah 10: 118, 119, 120.
 visit of Cardenas to 14: 390, 489.
 visit of Diaz to 14: 406, 485.

Colorado River People. *See Pueblo Indians.*

Colorado River Reserve.

changes in 18: 898, 910.
 discontinuance of 18: 916, 920.
 establishment of 18: 894.

Coloration

artificial, of feathers 38: § 84.
 of hammocks 38: § 478.

Coloring Matter and its application in pictographs 10: 219-222.

Colors

applied to cardinal points 42: 623 sq.
 arrangement of 41: 280, 286.

Colors—Continued

assignment of, to cardinal points 3: 40-46.
 association of, to cardinal points 11: 397.
 employed in Santa Rita wall painting 19: 669 sq.
 in personal names 11: 533.
 in Siouan symbolism 11: 523, 527.
 of Navaho fabrics 3: 376.
 Omaha terms for 27: 111.
 prepared for Aleutian masks 3: 142.
 principal, black and red 31: 56.
 ritual 47: 284.
 significance of 4: 53-57.
 significance of, in games 11: 60.
 sources of 41: 233.
 symbolic association of 47: 862.
 symbolism of 45: 418 sq.
 used by Indians 4: 50, 51.
 used by Salish tribes 41: 146-149.
 used in beading 41: 223.
 used in decorating pottery 2: 322, 326, 330.
 used in face and body painting 45: 418.
 used in imbrication 41: 140.
See also Color, etc.; Colors, Cardinal; Paints; Pigments.

Colors, Cardinal

importance of, in beans 30: 69.
 importance of, in corn 30: 99.
 of the Zuñi 30: 49.
 symbolism of the Zuñi 30: 64

Colton, A. T., on Casa Grande Reserve 15: 340.

Columbia, Ky., trail to 42: 802.

Columbia Fur Co., traders of 46: 621.

Columbia Indians

Flathead names for 45: 300.
 name of, in sign language 45: 146.

Columbia Region, tribes of the 14: 731.

Columbia River

Cherokee contemplate removal to 5: 264.

drift seen by Ferrel 14: 412.

improvidence of tribes on 7: 37, 38.
 petroglyphs on, Washington 10: 123.

pictographs on 4: 26.

Columbia River Indians

a synonym of Wa'napum 14: 735.
 definition of 14: 716.

- Columbia River Indians**—Contd.
 in Shaker church 14: 759.
 Smohalla doctrine among 14: 716.
- Columbia River Valley**, probable
 origin of Hopewell mounds obsid-
 ian in 20: 194.
- Columbia Tribe**
 basketry of 41: 142, 154, 155, 230,
 414.
 rims of baskets of 41: 142.
 shapes of baskets of 41: 138, 141.
 use of imbrication by 41: 140.
- Columbian Exposition**
 Bureau collection at 14: xxxvi,
 xxxix, xlvi.
 exhibit at, of world's games 24:
 29.
See also Madrid American His-
 torical Exposition; World's
 Columbian Exposition.
- Columbiana County, Ohio**, rock
 carvings in 4: 21.
- Columbias**, an Isle de Pierre synonym
 14: 734.
- Columbine**, use of 45: 475, 507,
 516.
- Columbus, Bartholomew**, native re-
 ception to 25: 81.
- Columbus, Christopher**
 at Trinidad 34: 63 *sq.*
 cited 30: 365.
 diary of 25: 19, 203.
 explorations of, in Cuba 34: 242
sq.
 Haitian idols described by 25: 57.
 landing place of 25: 33.
 method of fishing observed by 25:
 49.
 Omaha name for 27: 101.
 on Antillean *zemis* 25: 55.
 on character of Antilleans 25: 31,
 76 *sq.*
 on names of Antillean islands 25:
 78.
 on spirit beliefs 30: 165–169.
 presents received from Antilleans by
 25: 35, 136, 137, 153, 211.
 quoted on magic powder of Indians
 9: 513.
 race found in Haiti by 25: 80.
 regarded as supernatural 25: 54.
 search for, by Navidad settlers 25:
 212.
- Columbus, Fernando**, on Antillean
 religion 25: 55.
- Columbus, Ga.**, legendary occurrence
 at site of 42: 39.
- Columbus, Ohio**, on Great Warrior's
 Trail 42: 757.
- Columbus Memorial Volume**
 on Acoma 29: 544.
 on Isleta 29: 529
 on Kipana 29: 550.
 on San Cristóbal 29: 486.
 on Sandia 29: 525.
 on Santa Ana 29: 520.
- Columellæ**
 beads of 44: 158.
 manner of extracting from shell 2:
 214.
 pendants of 44: 149.
 use of, in manufacture of beads 2:
 219, 223.
 use of, in manufacture of pins 2:
 213, 218.
- Colville, Dr. Frederick V.**, acknowl-
 edgments to 24: xvi; 36: 55.
- Colville Indians**
 bands of 45: 208.
 derivation of the name of 45: 198.
 Flathead name for 45: 300.
 hoop and pole game of 24: 457.
 Indian names for 45: 198, 199,
 200.
 intercourse of, with other tribes 45:
 215.
 name of, in sign language 45: 145.
 population of 45: 212.
 sketch of 14: 732.
 synonyms for 45: 198.
 villages of 45: 209 *sq.*
- Colville Reserve**
 changes in 18: 858, 944.
 establishment of 18: 856.
- Colville River**
 Eskimo 46: 361.
 mention of 46: 206, 221.
- Colville Tribe**
 imbricated basketry of 41: 140,
 155.
 materials used in basketry of 41:
 154.
 population of 7: 105.
 trays made by 41: 138.
- Colville Valley Kalispel.** *See* Che-
 welah.

Colvin, Mr. —, graves on land of, Pennsylvania 12: 499.

Coma, Guillermo, on character of Antilleans 25: 32.

Comals of steatite 44: 87 sq.

Comalty. *See* Gomä'te.

Comanche
 absence of clans among the 14: 956.
 and Kiowa early warfare 14: 1079.
 association of the Kiowa with 7: 84.
 attitude of the, in Civil War 19: 148.
 Bent's recommendation concerning 17: 183.
 bravery of the 17: 317.
 character of the 17: 234.
 deportation of the, to Florida 17: 215.
 derivation of Türtumsi from the 21: 99.
 drawings of a Ghost dance 14: 1060.
 drawings on bone by the 10: 206.
 expedition against Navaho by the 17: 321.
 first intercourse with the 17: 169.
 former range of the 17: 161.
 games of the 24:
 dice games 55, 126, 159 sq.
 hand game 309.
 hoop and pole 442.
 gesture signs of the 10: 645.
 Ghost dance among the 14: xxxix, 653, 901, 926 sq.
 habitat of the 7: 109.
 horses among the 17: 161.
 hostility of the, in 1874 17: 202, 252.
 identification of the, with Teya 14: 524.
 inhumation of the 1: 99, 100.
 in peace council of 1872 17: 190.
 influence of the, on Pueblo architecture 19: 641.
 killing of Arapaho by the 17: 272.
 Kiowa confederation with the 17: 164.
 Kiowa inferior to the 14: 1080.
 Kiowa intercourse and war with the 17: 161.
 Kiowa name for the 17: 163.
 Kiowa peace with the 17: 162.
 land allotment to the 17: 224.

Comanche—Continued

land cessions and reservations 18: 838, 846.
 linguistic affinity of the 14: 525.
 linguistic studies among the 24: xxi.
 location of home camps of the 17: 164.
 meeting with dragoons by the 17: 264.
 meeting with Ponca 27: 79 sq.
 mescal ceremony of the 15: xxxviii.
 myth concerning thunderbird 14: 968.
 name of the Arapaho 14: 954.
 name of the Caddo 14: 1092.
 name of the Cheyenne 14: 1023.
 name of the Ghost dance 14: 791.
 name of the Kiowa Apache 14: 1081.
 name of the Sioux 14: 1057.
 name of the whites 14: 703, 978.
 name of the Wichita 14: 1095.
 number names of the 19: 929.
 Omaha name for the 27: 102.
 payment of grass money to the 17: 220, 354.
 planned uprising among the 17: 176.
 population, Catlin's exaggeration of 17: 266.
 population in 1896 17: 235.
 population of the 7: 110.
 raids in Texas by the 17: 177, 187, 199.
 raid on Barker's Fort by the 17: 270.
 reference to the 29: 480.
 relations of the, with Pecos 29: 478.
 researches among the 15: xli.
 signing of Medicine Lodge treaty by the 17: 186, 321.
 sketch of the 14: 1043.
 smallpox among the 17: 168, 176.
 songs of the 14: 1046.
 Spanish influence transmitted through the 27: 114.
 status of the, in 1859 17: 182.
 study of the 16: xxiii, xxviii.
 synonymy of the 14: 1043.
 surrender of the 17: 214.
 taboo of words by the 17: 152.
 Tewa name for the 29: 574.

Comanche—Continued

treaties with the 17: 180, 184, 186, 321.

treaty agreement by the, in 1865 17: 179.

tribal signs for the 1: 466.

tribal signs of the 14: 1043.

use of language, as trade language 19: 188.

war party of the, against Sauk and Fox 17: 302.

See also **Kwahadi Comanche; Nokoni Comanche; Padouca.**

Comanche Indian, linguistic work of Dr. A. S. Gatschet among the 6: xxxiv.

Comandra Pallida, use of 45: 459.

Comb

chicken, appearance of, in pictures of Hopi kateinas 21: 80.

function of use of 20: 73, 135 sq.

mention of 35: 1224; 38: §517.

use of, in finishing Middle Atlantic Coast pottery 20: 148, 153 sq., 157.

See also **Combs.**

Comb-like Characters

in Dresden Codex 16: 242.

in Maya Codex 16: 238.

Comb-like Ornaments

Apalachee-Ohio pottery 20: 180.

Middle Mississippi Valley pottery 20: 97 sq., 154.

Comb Plant 33: 131.

Combination

in Indian languages 1: 7.

languages, process of 1: 3, 7.

Combs

for dressing deerskins 9: 300, 301.

for making thread, Eskimo 18: 110, 111.

made of syringa 45: 83.

of the Eskimo 9: 149 sq., 189; 18: 58.

of the Nenenot 11: 319.

use of, in weaving 14: 562.

See also **Comb.**

Come here, signals for 1: 529, 532.

Comecrudo Indian

linguistic material, work on 29: 13, 14.

linguistic researches among 8: xxi.

vocabulary of, collected by Dr. A. S. Gatschet 7: 68.

Comédie Française, gestures of the 1: 309.

Comer, G. 46: 297.

Comer, Capt. George, material collected by 24: 752.

Comets

belief concerning 42: 478.

Cherokee name for 19: 442.

explanation of 30: 259.

story concerning 42: 479.

Comfort, O. J.

on manufacture of pottery by Dakotas 20: 187, 195.

on pottery from Fort Wadsworth, North Dakota 20: 200 sq.

Cominy-Snake. *See* **Pódalä'ñte.**

Commander in Chief 38: §760.

Commelinaceae 33: 70.

Commerce

between "Buffalo" Indians and Pueblos 9: 529, 530.

elements of 20: XLIII sq.

effect of, on the Indian 46: 464, 465, 621 sqq.

See also **Trade; Traders.**

Commercial Fraud in relics 4: 248.

Commercialism, development of, in the northeastern section 42: 723 sq.

Commisariat 38: §761.

Commissioner of Indian Affairs

acknowledgment to 27: 8.

See also **Office of Indian Affairs.**

Commons, Supt. John M., acknowledgment to 27: 642.

Communal Houses

of the East Greenlanders 9: 76.

See also **Long Houses.**

Communal Lands 47: 34, 477.

Communal Pueblos 4: 480, 481.

Communal Village, development of Pueblo architecture from conical lodge 8: 226.

Communication

between Asia and America 46: 93, 96, 97.

between the tribes 44: 246 sq.

by means of pictographs 4: 160-164.

means of 42: 446.

Communism among North American Indians 7: 34, 35.

Comogres, name for Tule Indians 42: 10.

- Comox**
 ceremonial of 35: 892.
 marriage with 35: 951.
 mention of 35: 895.
- Comoza's Band**
 cession of reserve by 18: 752.
 reservation for 18: 740.
- Companies**
 duties of 45: 156 sq.
 formation of 45: 156.
- Company of One Hundred**, charter to 18: 546.
- Comparison**
 degrees of, in sign language 1: 363.
 of English with Indian 1: 15.
- Compass, Points of**, references to 27: 111, 113.
- Compass Plant**, mention of 33: 132.
- Complexion of the Western Eskimo** 18: 26, 27.
- Compositae**
 gum from 26: 78.
 mention of 33: 130.
- Composite Mounds**, interpretation of 37: 84.
- Composition**, characterization of 33: 330.
- Compostela**
 departure of Coronado from 14: 377, 478.
 establishment of 14: 473.
 rendezvous of Coronado's army at 14: 362.
 review of Coronado's force in 14: 596.
- Compound Vessels**
 eastern United States pottery, modeling of 20: 51.
 Florida Peninsula pottery 20: 118, 126, 127.
 Gulf Coast pottery 20: 105.
 Iroquoian pottery, rarity of 20: 162.
 mention of 4: 412.
 Middle Atlantic Coast province, absence of 20: 151.
 Middle Mississippi Valley pottery 20: 92, 93 sq.
 Ohio Valley pottery 20: 185.
 South Appalachian pottery 20: 138.
- Compounding in Language** 1: 3.
- Compounds, Casa Grande**
 age of 28: 105.
 ancient inhabitants of 28: 152.
- Compound A—**
 description of 28: 88-95.
 excavation of 28: 37 sqq.
- Compound B—**
 description of 28: 95-102.
 excavation and repair of 28: 40 sq.
- Compound C—**
 description of 28: 102 sq.
 excavation and repair of 28: 42.
- Compound D—**
 description of 28: 104 sq.
 excavation and repair of 28: 42.
- Compound E and F—**
 description of 28: 106.
 relation to Pueblos 28: 150-160.
- Compton, Maj. C. E.**, Indian operations under 17: 212.
- Computation**, methods of number 19: 932 sq.
- Comupatrico**, settlement of 14: 515.
- Comupavi**, identified with Shuñopavi 17: 599.
- Cona**, settlement of Plains Indians 14: 507.
- Conant, A. J.**
 cited 12: 601.
 description of shell gorgets by 2: 300.
 mention of shell gorgets by 2: 287.
- Conant, L. L.**
 on Australian counting 19: 877.
 on Australian number concepts 19: 833, 837.
 on Cahuillo number names 19: 868.
 on Cora number names 19: 867.
 on geographic extent of vigesimal system 19: 924, 925.
 on Mosquito number names 19: 881.
 on origin and spread of vigesimal system 19: 926.
 on Othomian number names 19: 873.
 on primitive counting 19: 875.
 on Totonaka numerals 19: 911.
 on Tschukschi (Chukchi) numerals 19: 913.
- Conant, S.**, land treaty witness 14: 29.
- Conant, Samuel**, assistance rendered by 43: 15.

- Concausation** 3: LXV.
- Concepcion, Cristoval de la**, at founding of Awatobi mission 17: 599.
- Conception**
 belief concerning 47: 679.
 beliefs concerning immaculate 11: 59.
 induced by medicine 40: 337.
 means of inducing 35: 644.
 parthenogenetic, description of 21: 167, 229.
 parthenogenetic, influence of, in development of religion 21: 138.
 prevented by medicine 40: 329.
 prevention of 47: 213.
See also **Pregnancy**.
- Conceptual Terms**, Serian and Yuman, comparative analysis of 17: 321*-344*.
- Conch Shell**
 beads, as medium of exchange 42: 456.
 range of the 2: 143.
 representations of, Middle Mississippi Valley pottery 20: 94.
 trumpets of, Casa Grande 28: 144 sq.
 used for black drink 42: 503.
- Conch Shell Cache**, location of 37: 99.
- Concho Tribe**, description of 15: XXXIV.
- Concord, N. C.**, trail through 42: 778.
- Concretions**
 ironstone, description of 44: 93 sq.
 ironstone, use of 44: 93.
 use of, as fetishes 13: 359, 366.
- Conde, Alejo Garcia**, expedition sent against Seri by 17: 83.
- Conder, Lieutenant** —, on symbol at Jerusalem 4: 222.
- Condiment**
 cups of clay from Zuñi 2: 363.
See also **Flavoring**.
- Condracanqui**, Peruvian insurrection under 14: 660.
- Cone Flower**
 narrow-leaved purple 33: 131.
 use of 44: 292.
 use of, as medicine 30: 59.
See also **Rudbeckia Laciniata**.
- Cone-Flower Symbolic Haircut**, subgentes using 43: 91.
- Cone Shell**, ornament for lip 38: §74.
- Conejos**, treaty of 18: 828.
- Cones**
 description and figure of 13: 113.
 occurrence of, representations of, Florida mortuary pottery 20: 124.
- Conestoga**
 connection of, with Susquehanna Valley pottery 20: 165.
 dice games of the 24: 105.
 former habitat of the 7: 78.
 habitat of the 20: 159.
 population of the 43: 458.
 war of the, on Mohawk 43: 458.
- Confederacy**
 features of 19: XLIX.
 how governed 15: CIX.
 of the Iroquois, established by Hiawatha 2: 54.
 relation of Cherokee to Southern 5: 376.
See also **Creek Confederacy**.
- Confederate Operations** in far Southwest 26: 48.
- Confederate States**
 Cherokee declaration for 19: 148.
 East Cherokee relation with 19: 168-171.
- Conference at Falmouth** 43: 174 sq.
- Conference of Southwestern Archeologists**, mention of 47: 1.
- Confession**
 of patients to Indian medicine-men 9: 465, 466.
 rite of, among Isletans 47: 206.
- Confinement**. *See* **Childbirth**.
- Congaree Indians**
 and Santee Indians, embalmment of 1: 132, 133.
 birds domesticated by the 42: 694.
 Cherokee relations with the 19: 31 sq.
 mention of the 42: 704.
 stick games of the 24: 258.
- Congress**, Cherokee representation in 19: 125.
- Conibo Indians**, occlusion of sight among the 30: 299 sq.
- Conical Mounds**
 as burial places 37: 84.
 definition of 12: 29.
 distribution of 37: 78, 91.
 joined to linear 37: 92.

- Conical Mounds**—Continued
made by the Sioux 37: 76.
number of 37: 83.
of Lake Koshkonong 37: 100.
See also **Burial Mounds**.
- Conical Tinklers** 21: 61.
- Conifers** 33: 63.
- Conjugal Conation**, law of, as applied to Seri 17: 162* sq.
- Conjunctions**, in sign language 1: 367.
- Conjunctive Mode**
Algonkin 28: 272.
Arapaho 28: 236.
Cree 28: 272.
Fox 28: 234, 253, 260, 261, 265, 271, 272, 279, 288.
Micmac 28: 245, 269, 272, 279, 285, 287 sq.
Natick 28: 272.
Ojibwa 28: 268, 272.
Peoria 28: 234, 245, 260, 265, 268, 270, 271, 272, 279, 288.
Shawnee 28: 234, 245, 255, 265, 271, 272, 279.
- Conjunctives**, indefinite passive, Algonquian 28: 279.
- Conjunctivities** among the Pima 26: 268.
- Conjurer**
love charms made by the 42: 635 sq.
practice of the 1: 583.
results obtained by the 44: 270.
See also **Doctors**.
- Conjuring**
among the Northern Indians 11: 193, 274.
in Cherokee myth 19: 255, 277 sq., 279, 320, 374 sq., 393 sq., 501, 502, and *passim*.
Indian practice of 19: 495.
- Connecticut**
aboriginal quarrying in 15: 105, 107.
Indian policy of 18: 607 sq., 611-619.
Indian spades from 13: 133.
Iroquoian pottery from 20: 168.
petroglyphs in 10: 75.
pottery of 20: 146, 178, 179.
tribes and dialects of 43: 205-287.
- Connecticut Avenue**, Washington, D. C., quarries of, description of 15: 116.
- Connecticut Board of Agriculture and Experiment Station**, report of, on composition of cereals and fruits 19: 1081 sq.
- Connecticut Indians**
account of 18: 612 sqq.
purchase of land from 18: 616.
- Connecticut Land Company**, cession of land claimed by 18: 666.
- Connecticut Western Reserve**, history of 18: 667 sqq.
- Connections** between Asiatics and Americans 46: 197.
- Connell, E.**, acknowledgment to 34: 11.
- Connell Collection** 34: 87, 159, 160-166.
- Connolly, William E.**
on dice games, Wyandot 24: 118 sq.
on football, Wyandot 24: 702.
on hidden ball, Wyandot 24: 351.
- Conner, Henry**, land treaty witness 14: 29.
- Conner, Mrs. Rebecca**, mounds on land of 5: 74; 12: 348.
- Conneross**, myth concerning 19: 412.
- Connor, James E.**, work of 43: 19.
- Connotation** of Indian nouns 1: 8.
- Connoun**, number of specimens from 34: 49.
- Conoy**
association of, with Delawares 19: 497.
fate of 19: 498.
- Conquest Play** at Xico Viejo 25: 248.
- Conquistadores**, meaning of term, in New Spain 14: 563.
- Conrad, Captain** —, orders Selwyn to visit Kuwapi 14: 799.
- Consag, Padre Ferdinando**, explorations and map by 17: 65.
- Consanguinity**
among the Guiana Indians 38: § 876.
Fox system of, reference to 40: 375.
importance of, among savages 22, i: xxv.
- Consanguineous Kinship** of the Omahas 3: 253.
- Conscience** of the Eskimo 18: 294.

Consecration

- of dance ground 14: 918.
- of kivas 8: 129.
- of feathers 14: 919.
- of the earth 14: 919.

Conservative Party at Acoma, discussion of 47: 61 *sq.*

Conserves, preparation of, from datil 30: 72 *sq.*

Consonantic Clusters 28:

- Abnaki 280.
- Arapaho 235, 236.
- Cheyenne 232 *sq.*, 234, 236.
- Cree 231, 238, 246.
- Delaware 279, 290a.
- due to elimination of vowels 283.
- Eastern Algonquian 236, 246, 284.
- Fox 249, 283.
- linguistic classification based on 226.
- Malecite 280, 281 *sq.*, 283.
- Menomini 249, 280 *sq.*
- Micmac 280 *sq.*, 283.
- Munsee 290a.
- Natick 234.
- Northern Blackfoot 230 *sq.*
- Passamaquoddy 259, 280, 282.
- Penobscot 280, 282 *sq.*
- Piegan 229 *sq.*, 231, 236.
- various Algonquian languages 274.

Constellations

- belief concerning 11: 517.
- defining the seasons 38: § 937.
- how formed and named 21: 227, 228.
- in Tewa conception 29: 50 *sq.*
- Iroquois myth concerning 2: 80.
- See also* **Star**.

Constipation, how treated by the Zuñi 30: 57.

Constitution

- Cherokee adoption of 19: 112, 116, 135.
- East Cherokee, adoption of 19: 173.

Construction

- of Casa Grande, method of 28: 82, 85.
- of pottery in Mississippi Valley 4: 372.
- principles of 20: xxxvi-xxxix.
- Pueblo ceramic 4: 268.
- See also* **Manufacture; Walls**.

Constructive Experiments in cliff dwellings 16: 170.

Consumption of wild rice 19: 1080-1088.

Consumption

- among the Pima 26: 267, 268.
- treatment of 42: 658, 659, 667.

See also **Tuberculosis**.

Contact of people modifies ideas 4: 370.

Containers

- original use of vessels as 20: 61.
- See also* **Domestic Pottery**.

Contentment, legend of 30: 380 *sq.*

Contest

- between men of supernatural power 35: 1139-1147.
- fast-eating, of the Winnebago 37: 485.

Conti, a Georgia Indian food 13: 17.

Continence

- observance of 47: 132, 286.
- See also* **Taboos, sexual**.

Contours represented on plans, interval of 8: 45.

Contract for repairing Casa Grande 15: 333, 335.

Contracted Position

- in burials, Bonasila 46: 61.
- in burials, Ghost Creek 46: 63.
- in burials, Pastolik 46: 77.

Contrares, José, aid rendered by 17: 14.

Contributions to North American Ethnology

- mention of 4: 153, 166, 195, 231.
- plan of 20: 16.

Contributions to the Archeology of Missouri 4: 367, 414, 418, 422.

Contributors, list of 48: 1189.

Controverted Pictographs 10: 759-767.

Conus Shells

- ornaments of 28: 145.
- Pueblo articles made of 22, i: 91.

Conventional Pictographic Devices

- for 10:
 - chief 652 *sq.*
 - council 653 *sq.*
 - famine 655 *sq.*
 - peace 650 *sq.*
 - plenty of food 654 *sq.*
 - starvation 656.
 - war 651 *sq.*
- mention of 10: 650 664.

Conventionality

- of painted designs, eastern United States pottery 20: 67.
- of signs 1: 333, 336, 340.

Conventionalization of Life Motives

- eastern United States pottery 20: 65, 66.
- Florida Peninsula pottery 20: 118, 123, 126, 127.
- Gulf Coast pottery 20: 113 sq.

Conventionalizing

- development of 10: 649 sq.
- in pictography 10: 649-675.
- mention of 4: 13, 15, 244.

Convolvulaceae 33: 110, 111.**Convolvulus Panduratus**, medicinal use of 42: 670.**Convulsions**, treatment for 44: 336, 338.**Conway, Maurice**, grant of land to 18: 542.**Conyatz.** *See Kaneatche.***Conyers, Mr. —**, mound on farm of, in Georgia 12: 313.**Cook, Rev. C. H.**

- account of 26: 59.
- on mountain sheep 26: 82.
- on Pima conical house 26: 155.
- on Pima fishing 26: 174.
- opposed by Pima medicine-men 26: 256.
- work of, among the Pima 26: 34, 63, 267 sq.

Cook, Miss Emily S., collection purchased from 42: 18.**Cook, Capt. James**

- description of Alaskan labrets by 3: 106.
- description of Eskimo houses by 9: 78.
- discoveries, Norton Sound 46: 126.
- mention of 46: 213.
- Waukash tribe named by 7: 129.
- works of, consulted 9: 21.

Cook, Joseph W., on Yankton gentes 15: 217.**Cook, R. L.**, killed at Wounded Knee 14: 872.**Cook, Judge W. L.**, information furnished by 42: 852.**Cook, Zachariah**

- acknowledgment to 42: 32.
- information furnished by 42: 65, 78, 306, 524, 527.
- miko of Tukabahchee town 42: 557.
- names furnished by 42: 98, 99, 103 sqq.
- stomp dances and busk described by 42: 557, 568.

Cook Inlet, ornate stone lamp from 46: 34.**Cooke, Lieutenant Colonel —**

- on the Pima 26: 30.
- reference to 28: 65.

Cooke, C. S., interpreter for Sioux delegation 14: 891.**Cooking**

- among the Northern Indians 11: 233, 280.
- among the Point Barrow Eskimo 9: 63.
- Eskimo manner of 18: 288 sq.
- flat rocks used for 41: 498.
- in clay vessels 41: 583-586, 607.
- methods of 45: 92-95; 46: 582.
- pottery for 4: 272, 283, 371.
- Pueblo method of 8: 164.
- taught to girls 40: 299, 303.
- utensils for 45: 230.

See also Domestic Pottery; Food.

Cooking Baskets, terms for 41: 396.**Cooking Pits**

- and ovens, description of 8: 162-166, 176 sq.
- employment of clay as lining for 20: 49.

Cooking Pot, appearance of, in pictures of Hopi katchinas 21: 104.**Cooking Stones** of Tusayan, names of 8: 104.**Cooking Vessels**

- of clay, from Canyon de Chelly 2: 420.
- of clay, from Santa Clara 2: 416.
- of clay, from Tesuki 2: 414.
- of clay, from Wolpi 2: 384.
- of clay, from Zuñi 2: 358.

Cookkoo-oose tribe of Lewis and Clark 7: 89.**Cooks, Three**, duties of 47: 45, 51.**Cooksey, Rev. —**, article by 30: 80.

- Cooley, Dennis N.**, commissioner to treat with Cherokee 5: 334, 341.
- Coolidge, Sherman**, acknowledgments to 14: 655.
- Cooper, A.**, acknowledgments to 14: 655.
- Cooper, Amy**, mention of 43: 224.
- Cooper, Charles L.**
on Nambé Pueblo 29: 359.
on Tesuque 29: 387.
- Cooper, Rev. John M.**, bulletin by 39: 24.
- Cooper, Theodore**, mention of 43: 233.
- Cooper County, Mo.**, occurrence of salt-making vessels in 20: 31.
- Cooper Family**, mention of 43: 224.
- Cooper Place**, flint on 44: 517.
- Cooperations**, purposes of 20: LXV.
- Coos Indians**
account of wild rice harvested by 19: 1076.
researches among the 25: xvii.
standard of life of the 19: 1079.
- Coos Language**
grammar of, by Dr. L. Frachtenberg 34: 21.
paper on 36: 30.
- Coosa**
a town of refuge 42: 253.
a White town 42: 254.
arrangement of square ground of 42: 206 sqq.
connection of, with origin of upper Creeks 42: 40.
considered as offspring of Hickory Ground 42: 70.
Creek peace town 19: 207 sq.
independent origin of 42: 262.
legendary origin of name 42: 53.
mention of 42: 36.
mention of, in Kasihta legend 42: 39.
myths concerning town of 42: 69-72.
synonym for 42: 69.
- Coosa Indians**, linguistic work among the 24: xxii.
- Coosa Language**, grammatical notes on 26: xxii.
- Coosa River**
Alabama established on 42: 44.
Muskogee settled on 42: 45.
- Coosades.** *See* **Koasati.**
- Coosawatee**
establishment of mission at 19: 107.
surrender of prisoners at 19: 66.
- Cooshatta.** *See* **Koasati.**
- Cooshatti.** *See* **Koasati.**
- Coospellar**, a synonym of the Pend d'Oreille 14: 731.
- Cootenai Tribe** 7: 85.
See also **Kutenai.**
- Cooweescoowee**, origin of name 19: 285.
- Copaifera Officinalis**
oil of 38: § 23.
oil of, for body anointing 38: § 511.
- Copala**, name of province in Great Plains 14: 492.
- Copan, Central America**
face numbers from Mayan monuments at, discussion of 22, i: 221-225.
face numbers from Mayan monuments at, plates and figures showing 22, i: 224, 225.
Great Cycle symbols on inscription at, figures showing 22, i: 266.
initial series of 19: 801-806.
inscriptions of 19: 776-788.
inscriptions on Mayan monuments at, discussion of 22, i: 221-225, 254, 301.
inscriptions on Mayan monuments at, plates and figures showing 22, i: 224, 225, 301.
inscriptions on Mayan monuments at, terminal dates of, significance of 22, i: 290-299.
ruins of 3: 64.
statues of 1: 207, 224, 227, 228, 229, 245.
- Cope, E. D.**
on Cristone Pueblo ruin 29: 115.
on Cuyamunque 29: 333.
- Copehan Family** 7: 69 sq.
- Copehan Stock**
implements employed by, in stick games 24: 227.
tribes of the 24:
Winnimen 241.
Wintun 283, 658.
- Copeland, Rev. Charles E.**, information obtained from 44: 191, 192, 193.
- Copenhagen Museum**, West Indian objects in 34: 50, 179.

Coping. *See* **Roof-coping.**

Copings of Hatchways 8: 203.

Copings of Walls, description of 8: 151 sq.

Copper

arrows poisoned by corrosion 14: 285.

articles collected from mounds 12: 24.

articles, in some instances introduced by Europeans 12: 710.

as a fabric preservative 13: 36.

association of implements of, with pottery, Northwestern province 20: 192.

ax from mounds 12: 325.

beads from mounds 12: 77, 79, 113, 337, 340, 343, 379, 412, 515.

bracelets from mounds 12: 51, 393, 426, 431.

bracelets of 35: 937.

breaking of 35: 685.

chisels from mounds 12: 107.

covered ear pendants 12: 153.

crescents from mound 12: 113, 340.

cylinder found by E. B. Andrews, smooth and even as though rolled 12: 711.

cylinders from mound 12: 336, 337.

disks from mounds 12: 76, 324.

Eskimo ornaments made of 18: 52, 56, 58.

Eskimo implements made of 18: 148, 177 sq., 276, 280, 282, 283.

fire from heaven transformed into 31: 467.

found by Coronado at Quivira 14: 397, 509, 577, 582.

found in Awatobi 17: 608, 609, 631.

from burial cave, spool 12: 285.

from stone graves, plates, figured 12: 161.

gorget from mound 12: 426, 495.

in use among Indians 5: 93, 94, 100-106; 19: 23, 26.

kettles from mound 12: 51, 163, 502.

masks of 46: 34.

medal from mound 12: 246.

mention of 35: 655, 684, 685, 770, 772, 775, 777, 778, 785; 38: § 751.

mines, ancient, in Michigan 14: xxxv, 345.

mines of Lake Superior 13: xxviii.

Copper—Continued

objects of American Indians 13: 165.

occurrence of articles of, in Georgia mound 20: 139.

occurrence of clay cores from ear disks of 20: 43, 142.

occurrence of human heads stamped in, Georgia 20: 138.

pictographs on 10: 212 sq.

plate 46: 35.

plates from mound 12: 67, 80, 81, 337, 416, 495.

plates with impressed figures 12: 153, 302, 303, 305-309, 320, 324.

purchase of 35: 685.

recognized by Colorado River Indians 14: 405.

rings of 12: 513.

sleigh bells or hawk's bells from mound 12: 376, 714.

spearheads on Menomini reserve 14: 36, 37.

specimens found in southwestern ruins 28: 98, 148.

spindles from mounds 12: 76, 97, 351, 353.

spools from mounds and stone graves 12: 144, 285, 324, 325.

taboos relating to 31: 305, 306, 450.

Tewa name for 29: 580.

use of, by the Winnebago 37: 85 sq.

unknown to ancient Tusayan 17: 741.

used by maturing girl 35: 701.

used in embroidery 13: 28.

wire from mound 12: 73.

work in, suggesting Mexican influence 20: 42.

See also **Implements, Copper.**

Copper Bells

found among Texas Indians 14: 350.

from Pueblo ruins in Arizona, description of 22, i: 50, 111, 162 sq.

from Pueblo ruins in Arizona, figures showing 22, i: 111, 162.

in Arizona ruins 17: 628, 629.

Copper Bracelets 35: 777.

Copper Eskimo 46: 230.

- Copper Implements**, aboriginal, collection of 21: xxxiii.
- Copper Plates**
 figured, found in stone graves 12: 701.
 figured, from Hollywood Mound, Georgia 12: 320.
 frauds 4: 247.
 of the Tlingit 26: 437.
 used only at potlatches 31: 57.
- Copper River**, western boundary of Tlingit 26: 396.
- Copper Shields.** *See* **Plates** (*copper and brass*).
- Copperhead**, myths and lore concerning 19: 252 sq., 296, 313.
- Coppers**
 breaking of 35: 822, 1115 sq.
 mention of 35: 856, 861, 883, 884, 889, 890, 903, 964, 969, 1024, 1072, 1079, 1083, 1087, 1088, 1111, 1112, 1113, 1114, 1351, 1352.
 painted on house front 35: 805.
 price of 35: 1024, 1026.
 sale of 35: 1115.
 small 35: 777.
- Copris Beetle**, harbinger of rainy season 38: § 938.
- Coptis Trifolia**, use of 44: 288, 369.
- Copunnish**, a Sahaptin synonym 14: 744.
- Copway, George**
 on double ball, Missisauqua 24: 653 sq.
 on duck in Ontario 19: 1098.
 on hidden ball, Missisauqua 24: 344.
 on racket, Missisauqua 24: 569 sq.
 on ring and pin, Missisauqua 24: 538.
 on running races, Missisauqua 24: 803.
- Coquell.** *See* **Siletz Reserve**.
- Coquite**, pueblo of 14: 523.
- Cora**
 meaning of number names of 19: 878.
 number names of 19: 867, 930.
- Corados**, pictured notices by the 10: 357.
- Coral**, use of, as necklace, in Hopi pictures 21: 119.
- Coral Berry** 33: 116.
- Corazonos**
 Coronado's army in valley of 14: 484.
- Corazonos—Continued**
 description of, by Jaramillo 14: 585.
 food supply in 14: 553.
 kindness of Indians of 14: 534, 537.
 or Valley of Hearts, in Sonora 14: 392.
 river and settlement of 14: 515.
 settlement of, by Arellano 14: 572.
- Corbeau.** *See* **Gaa'-Bohón**.
- Corbusier, William F.**
 account of Dakota customs by 10: 265.
 cited on Indian wigs 9: 474.
 cited on use of pollen by Indians 9: 505.
 cited on Indian medicine men 9: 460.
 petroglyphs reported by 10: 129 sq.
 quoted on galena among the Indians 9: 549.
 religious ceremonies described by 10: 505 sq.
- Corbusier, Dr. William H.**
 local source of sign language 1: 317.
 on Crow occupancy of Black Hills 7: 114.
 on pictographs 4: 60.
 on rock carvings 4: 24.
 on time symbols 4: 88.
 sign for strong 1: 364.
 Winter Counts, the 4: 95, 118, 119, 121, 124, 127-146.
- Cord**
 Eskimo implements for making 18: 110 sqq.
 markings on pottery 3: 423.
 of St. Francis 9: 556 sq.
 umbilical, treatment of 38: § 905.
See also **Cords**.
- Cord Attachers** of the Eskimo 18: 142-145.
- Cordage**
 of the Menomini 14: 260, 273.
 primitive manufacture of 13: 21.
- Corderu, Tefilo**, archeological material found by 25: 100.
- Cording**
 with one thread 38: § 40.
 with three threads 38: § 41.
- Cordoncillo**, medicinal remedy 26: 80.

Cordova, P. Fr. Juan de

- on meaning of *nagache* 16: 228.
- on meaning of *quix-lana* 16: 231 sq.
- on Zapotec counting by moons 19: 954.
- on Zapotec numerals 19: 872, 887.

Córdova, Luis Cabrera de

- on Jemez 29: 402.
- on San Juan 29: 213.

Córdova, Mexico

- antiquities near 26: xv.
- Indian burials of 46: 35.
- Indians of 46: 36.

Cords

- formerly used in binding prisoners 9: 574 sq.
- imitation of impressions of, in pottery decoration 20: 66, 79, 134, 190.
- magic wind, of the Lapps 9: 560 sq.
- Mahometan belief concerning 9: 566.
- measuring 9: 572 sq.
- mnemonic 9: 561 sqq.
- of the Seri 17: 227*-230*.
- sacred, of the Brahmans and Parsis 9: 563-567.
- superstitions concerning 9: 533-580.
- sacred, ophic origin of 9: 574.
- unclassified, superstitions concerning 9: 576-580.
- use of, eastern United States pottery 20: 50, 52, 68, 72, 73-79.
- use of, Florida Peninsula pottery 20: 118.
- use of, Iroquoian pottery 20: 163.
- use of, Mid-Atlantic Coast pottery 20: 148-156.
- use of, New Jersey-New England pottery 20: 179.
- use of, Northwestern pottery 20: 188, 189, 190, 191, 194-201.
- use of, Ohio Valley pottery 20: 185.
- used for suspending chimney 8: 170.
- used in casting lots 9: 558 sq.
- See also* Cord; Fabrics; Paddles; Roulette; Textiles.

Cores, described and figured 13: 170.**Corial**

- a dugout boat 38: § 792, 797.
- string figure of 38: § 668, 680.

Coriander Seeds

- ground cherry eaten with 30: 70.
- used as food 30: 66.

Coriander Seeds—Continued

- used for drinking 30: 66.
- used for dyeing 30: 80.

Cormorant

- legend concerning 30: 225 sq.
- skin, Eskimo clothing made of 18: 31, 39.
- Tlingit charm from 26: 454 sq.

Corn

- a gift to the people 39: 207.
- a life symbol 43: 68.
- acquisition of 32: 642.
- appearance of, in Hopi pictures 21: 68, 69, 82, 95, 98, 102, 106, 115, 119, 122.
- Arapaho mythic origin of 14: 959.
- artificialization of 13: LIX.
- as a fetish 47: 277.
- attached to prayer sticks 17: 739.
- beans used with 30: 70, 74, 85.
- bee plant cooked with 30: 69.
- beliefs concerning 47: 277.
- black, magic power of 47: 683, 686, 689.
- blue, a life symbol 36: 136.
- burned in New Fire ceremony 42: 555, 562 sq., 584, 604, 605, 606, 607.
- cactus used with 30: 69.
- carried in Oraibi dance 16: 293.
- ceremonial use of 43: 48, 72.
- ceremonies connected with 42: 707.
- ceremony in Tusayan 16: 307.
- charred, found in ruins 33: 191, 196.
- chemical composition of 19: 1081.
- clan names from 30: 86.
- cocklebur used with 30: 72.
- cooking of, by the Chippewa 44: 319.
- crushers of lake dwellers 13: 87.
- cultivation of 27: 252, 626.
- cultivation of, by the Navaho 16: 84.
- customs concerning 11: 410.
- description of native American 14: 518.
- destruction in Troano Codex 16: 217.
- distribution of grains of 23: 194, 195.
- distribution of, in Soyaluña 21: 24.
- dramatization of growth of 21: 93.
- drink made of 47: 921.
- enormous size of 32: 481.

Corn—Continued

- Eriocoma seeds mixed with 30: 67.
- feast of 37: 384.
- flint, a life symbol 36: 134.
- found in Awatobi 17: 606, 619.
- found in cavate lodges 13: 225.
- found in Honanki 17: 572.
- found in Ruin No. 6 33: 172.
- green sweet, chemical composition of 19: 1081.
- green, taboo concerning 42: 554, 573.
- grown by women 39: 288.
- Hopi symbolism of 17: 662.
- importance of introduction of 42: 726.
- in Caddo mythology 14: 1093.
- in Cheyenne mythology 14: 1027.
- in Hopi ceremony 17: 628.
- in Hopi mythology 16: 302.
- in Ponca legend 27: 49.
- in Tusayan ceremony 15: 270, 271, 278, 279, 280, 283, 289, 302.
- Indian use of 19: 481.
- introduction of, into the West Indies 34: 58.
- lambsquarter seed eaten with 30: 66.
- large quantities of, raised by certain tribes 7: 41.
- legend of origin of 32: 643.
- mesa named for 30: 86.
- method of grinding, at pueblos 14: 522, 559.
- mysterious appearance of 32: 637, 640.
- myths and lore concerning 19: 244 *sq.*, 246, 248, 249, 421, 423, 432, 471.
- myths concerning 11: 40, 76, 403.
- of Antelope altar 19: 968.
- of Macileña 19: 989.
- of Mishongnovi Cakwaleña altar 19: 992.
- orache seeds eaten with 30: 66.
- origin of 30: 73.
- Pawnee use of, in glazing inner surfaces of pots 20: 59.
- people of Zuñi tradition 13: 343.
- perfecting ceremony 13: 445.
- pigweed mixed with 30: 67.
- place in Wa'wa ceremony 27: 379.
- planting time for, by the Hopi 15: 258, 259.

Corn—Continued

- pollen used in Navaho ceremonies 14: 705.
- preparation of 23: 186, 187.
- preparation of, for bush fire 42: 562 *sq.*
- preparation of a perfect ear of 23: 418.
- probable place of origin of 33: 59.
- prominent in Flute ceremony 19: 1005.
- red, a life symbol 36: 136.
- rite connected with 45: 530.
- rites connected with Snake dance 16: 306.
- ritual of 27: 609.
- roasting of 30: 76.
- sacred, of the Arapaho 17: 242.
- sacred feast of 22, ii: 161, 333.
- sacred nature of 47: 496.
- sacrosanct, term for 47: 217.
- significance of 16: 228.
- Sioux mythic origin of 14: 1063.
- songs and dances of 32: 649.
- speckled, a life symbol 36: 137.
- spirits associated with 30: 228, 230 *sq.*
- sprouted beverage with 30: 76.
- spurge used for sweetening 30: 68.
- stack (shock) of, at Walpi Flute altar 19: 1001.
- stores of, kept by Indians 14: 584.
- sweet, introduced in Mishongnovi 17: 604.
- symbolic planting of 39: 194; 43: 55, 56.
- symbolic use of 21: 41; 47: 121.
- symbolism of 43: 48.
- symbolic of cardinal points 16: 291.
- symbols in the codices 16: 216, 226, 242.
- tumbleweed seeds used with 30: 65.
- use of 44: 294.
- use of, by Natackas 21: 35.
- use of, in Hopi 21: 114.
- use of, in initiation ceremony 47: 74.
- use of, in naming ceremony 47: 134, 215.
- used as food 30: 73-76.
- used in ceremonies 30: 99 *sq.*
- used in making he'palokia 30: 75.
- used in medicine 30: 62.

Corn—Continued

- used in Tusayan ceremony 16: 279, 280, 282.
- varieties grown by Indians 33: 67.
- varieties of 37: 117.
- white, origin of 32: 652.
- white-flour, medicinal use of 42: 665.

yellow, a life symbol 36: 137.

Zuñi origin of 13: 391.

Zuñi regard for 13: 376.

See also Agriculture; Corn (among the Pima); Corn, Ear of; etc.; Maize; Meal; New Corn Crop; Pollen.

Corn (among the Pima).

article of trade 26: 94.

food product 26: 72 *sq.*

in mythology 26: 352.

in song 26: 332 *sq.*

Corn, a female man-being in Iroquoian cosmology 21: 174.**Corn, Ear of**

appearance of, in Hopi katechinas 21: 102, 122.

function of, in Hako ceremony 22, ii: 46.

in katcina representations 21: 68.

journey to the sun by 22, ii: 50–56.

leadership of, assertion of 22, ii: 68–73, 85–89, 299, 306, 307.

leadership of, assumption of 22, ii: 59.

meaning of design painted on 22, ii: 44 *sqq.*

painting of 22, ii: 42–46, 289, 290.

plate representing 22, ii: 44.

roasted, in pictures of Hopi katechinas 21: 105, 116.

sacred 22, ii: 156.

symbolism of 22, ii: 22, 23, 44, 289.

use of 22, ii: 20.

use of, in pictures of Hopi katechinas 21: 98.

Corn, Green

festival of the Iroquois 2: 115.

Iroquois festival of gathering of 2: 115.

planting of 2: 115.

Corn Clan

ceremony of 47: 82, 94 *sqq.*

native name for 42: 116.

reference to 47: 910.

same as Kolon clan 19: 615, 618.

Corn Creek Reserve, sale of 18: 830.

Corn Creek Uta, executive order affecting 18: 892.

Corn Dances

ceremony of 32: 647.

description of 42: 534; 44: 257.

See also Green Corn Dance.

Corn Ears

representation of, Florida Peninsula pottery 20: 124.

supposed modeling, of Iroquoian pottery 20: 163.

Corn Festival, modern survival of 43: 255.

Corn God

in Maya hieroglyphs 16: 210, 217, 229.

of the Pima 26: 333.

Corn Groups

discussion of 47: 269–274.

marriage within 47: 235, 269.

names of 47: 270.

officers of 47: 269.

Corn Hills, Indian remains 43: 256 *sq.*

Corn Husks

appearance of, in Hopi pictures 21: 65, 67, 74, 75, 83, 91, 100 *sq.*, 103, 106, 110, 111, 121.

artificial flowers made of 21: 85.

use of, as necklace in dress of Hopi katechinas 21: 100.

Corn Katechinas. *See Kae.*

Corn Kernel Mosaic, at Mishongnovi altar 19: 993.

Corn Maid

dolls of the Hopi 17: 704.

figures of the Hopi 17: 661.

figures on Hopi pottery 17: 657, 658, 662.

images on Flute altar 16: 300.

impersonation of 47: 913.

myth concerning 47: 914–919.

personated in Hopi dances 16: 300

Corn Maidens

assembling of 23: 56.

association of, with Hehea 21: 73.

bringing of 23: 48.

ceremony over 23: 55.

dancing of 23: 32.

discovery of 23: 48, 49.

escape of 23: 49.

gods, assumed the forms of 23: 53.

naming of 23: 31.

Corn Maidens—Continued

procession of, from Ku'shilowa 23: 53.

protection of, by the gods 23: 49.

representation of, by marionettes 21: 87, 88.

return of 23: 52.

younger sister of 23: 55.

Zuñi ceremonial of 13: 430, 435, 442, 443.

See also **Cardinal Corn Maidens.**

Corn Meal

at Hopi altars 19: 983, 991, 992, 999, 1001, 1003.

chemical composition of 19: 1081.

importance of, in Antelope and Snake dance 19: 974, 975, 976.

made with one blow of pestle 32: 399.

sacred to divinities 29: 43.

used in Navaho house dedication 17: 504, 505.

See also **Meal; Prayer Meal.**

Corn Mother

a fetish 47: 277.

composition of 47: 277.

Corn Mound, symbolic 17: 740.**Corn Mountain.** *See* **To'wa Yäl'-länné.****Corn People**

All Colors corn group 47: 272.

officials of 47: 272.

Corn Planting. *See* **Palülüköñti****Corn-planting Songs** 39: 196-205.**Corn Pollen**

in Hopi ceremony 17: 628.

See also **Pollen.**

Corn Silk, use of 44: 318.**Corn Smut**

mention of 33: 62.

use of, in medicine 30: 61.

Corn Woman, declaration of 32: 646.**Cornaceae** 33: 107.**Cornbury**, *Lord*, instructions to 18: 589.**Corncobs**

appearance of, in Hopi pictures 21: 118.

Cherokee use of, in smother-firing 20: 56.

found in small buildings 33: 165.

in Cherokee myth 19: 436, 441.

Corncrib, community 42: 444.**Cornelius**, *Rev. Elias*

account of Etowah Mound, cited 12: 293.

on The Suck 19: 464 sq.

statement by, referred to 12: 298.

Cornells, on Cherokee reception of Prophet's doctrine 19: 89.**Corner of Baskets**, treatment of 41: 265, 268, 269, 277, 278, 281, 336 sq., 347.**Corner Stones** of Tusayan kivas 8: 119.**Cornfield**, imitation of, in Hopi festivals 21: 40, 42, 46, 47.**Cornflowers**, appearance of, in Hopi pictures 21: 119.**Cornstalks**

appearance of, in pictures of Hopi katecinas 21: 95, 98.

in Cipaulovi Antelope dance 16: 283.

in Hopi Snake dance 16: 284, 305.

in Oraibi kisi 16: 297.

Cornus, medicinal use of 42: 660.**Cornus Amomum** 33: 107.**Cornus Alternifolia**

medicinal constituents of 44: 304.

medicinal properties of 44: 300.

use of 44: 288, 360, 376.

Cornus Asperifolia 33: 108.**Cornus Canadensis**, use of 44: 288, 307, 321; 45: 458.**Cornus Nuttallii** 45: 461, 496.**Cornus Pubescens** 45: 472, 475, 490, 495, 499.**Cornus Rugosa**, use of 44: 288, 377.**Cornus Stolonifera**

mention of 33: 108.

use of 44: 288, 360, 369.

Cornwall School, education of Cherokee at 19: 108.**Cornwallis**, attempt to invade North Carolina and Virginia by 19: 56 sq.**Cornwallis Indians**, mention of 41: 144.**Corona Borealis** 22, ii: 234.**Coronado**, Francisco Vasquez de

accompanied Mendoza to Mexico 14: 376.

appointment of 14: 402.

at Cibola 19: 650.

at Zuñi 47: 23.

cause of illness of 14: 531, 538, 579.

Coronado, Francisco Vasquez de—
Continued

commission of, as governor of New Galicia 14: 351.

conquest of Cibola by 13: 326.

departure of, for Quivira 14: 395, 577.

departure of, from Compostela 14: 478.

departure of, from Culiacan 14: 552.

end of career of 14: 402.

escorts Friar Marcos to Culiacan 14: 355.

explorations by 17: 53 *sqq.*

letter written by, to survivors of Narvaez's expedition 14: 507, 590.

marriage and history of 14: 379, 474.

on Indian dependence on buffalo 14: 980.

on location of Tucano 19: 599.

on Pecos 29: 475.

on Quivira 29: 565.

petition from, to Mendoza 14: 596.

quells revolt of miners at Amatepeque 14: 380.

regrets of, for failure of expedition 14: 583.

request by, for investigation of personnel of force 14: 377.

return of, to Mexico 14: 401.

return of, to Mexico with Friar Marcos 14: 362, 381.

route of 17: 530.

rumors of appointment of, as governor 14: 380.

separation of, from main army 14: 508.

trick attempted on 19: 194.

Tutahaco visited by 14: 492.

wounded at Cibola 14: 388, 483, 557, 565, 573.

Coronado Expedition

mention of 13: 296; 19: 598.

memoir on 14: L, LIV, 329-613.

reference to 28: 65.

route of 26: 26.

Coronation Gulf, Eskimo 46: 230.

Coronel, Hon. A. F.

cited 10: 72.

Coronel, Hon. A. F.—Continued

collection of herders' notched sticks of 4: 81, 82.

ethnologic collection of 10: 71.

on pictographs 4: 35, 36.

on Serrano land-marks 4: 182.

Corporations

among Omahas 3: 218, 342, 355, 367.

dancing societies 3: 330, 342, 355.

feasting societies 3: 342.

in savagery 15: CX, CXV.

organization of 20: LXV *sq.*, LXXII.

purposes of 20: LXXII-LXXVIII.

Corporeal Gestures, general consideration of 1: 270, 273.

Corpse

a source of disease 42: 511, 651 *sq.*

belief concerning 42: 702.

clothed in best clothing 35: 708.

kicked by the mother 35: 708.

left unburied 42: 393, 394.

painting of 38: § 831, 833, 855, 860, 864.

preparation of, for burial, Winnebago 37: 146, 149.

used in ceremonial dances 35: 1008 *sq.*

See also **Burials**

Corpse-from-a-Scaffold, a Cheyenne division 14: 1026.

Corral, Ramón, acknowledgments to 17: XLIV, 12, 14, 20.

Corrals

described in detail 8: 214-217.

Hawikuh 8: 81.

how constructed 8: 146.

Ketchipauan 8: 81.

modern at Kiakima 8: 85.

Payupki 8: 59.

Sichumovi 8: 62 *sq.*

Correo, Francisco, town chief at Oraibi 47: 354.

Correo, José Nacio, town chief at Oraibi 47: 354.

Correspondence of the Bureau of American Ethnology 25: XIX, XXIV; 26: XVI, XVII; 39: 10; 41: 6 *sq.*, 27, 56, 80, 86.

Correspondents

foreign, on sign language 1: 407.

of the Bureau of American Ethnology 13: xxv.

Corsican funeral custom 1: 147

- Cortes (Cortés; Cortez), Hernando**
 arguments of, before the Council for the Indies 14: 371.
 cited 12: 671.
 declares Friar Marcos' report to be a lie 14: 367.
 defeat of Narvaez by 14: 346.
 efforts of, to populate New Spain 14: 373.
 expedition under Ulloa to head of Gulf of California 14: 369.
 feats of 14: 450.
 figure in Conquest Play 25: 248.
 importation of cattle by 14: 374.
 in Mexico 25: 231, 243, 244, 248, 274.
 instructions to 18: 539.
 Marquis del Valle de Oxitipar 14: 350.
 mention of 1: 209; 42: 41.
 name Nueva España given by 14: 403.
 probably mistaken reference to, in Ramusio 14: 556.
 rivalry of, with Guzman 14: 475.
 settlement at Santa Cruz 14: 351.
 trial for murder of wife 14: 473.
 troubles of, with Mendoza 14: 368, 409.
- Cortesian Codex**
caban symbol in 16: 254.
cauac day symbol in 16: 259.
chuen symbol in 16: 241.
cimi symbol in 16: 231.
 cited 19: 817.
 discussion of symbols in 16: 256, 261.
eb symbol in 16: 243.
ix symbol in 16: 248.
kan symbol in 16: 229.
 mention of 3: 7, 8, 9, 25, 26, 31, 34, 35, 36, 41, 58, 59, 60, 61, 63, 64.
muluc symbol in 16: 237.
oc symbol in 16: 239.
 phonetic element of symbols in 16: 239.
 references to 22, i: 252, 253.
- Cortez, Don José**
 cited 7: 54.
 cited as to Tontos 28: 217.
 on Colorado River tribes 28: 209.
 on Seri Indians 17: 83 sq.
- Corwin, R. G.**, commissioner for Cherokee boundary 5: 365.
- "Corwin," S. S.** (*United States revenue steamer*).
 cruises of 46: 29.
 expeditions by E. W. Nelson on 18: 20 sq.
 mention of 46: 177, 205, 221.
- Corwine, R. W.**, killed at Wounded Knee 14: 872.
- Corylus**, use of 44: 340.
- Corylus Americana**
 mention of 33: 74.
 use of 44: 289, 307, 338, 369, 377.
- Corylus Californica** 45: 491, 501.
- Corylus Rostrata**, use of 44: 289, 377.
- Cosa, Juan de la**, map of 26: 77.
- Cosí'spä.** *See* Kasi'spä.
- Cosmit Reserve**, establishment of 18: 884.
- Cosmogonic Myths**
 of the Cherokee 19: 239-261.
See also Sacred Myths.
- Cosmogony**
 of the Dakota 11: 438.
 of the Hopi 16: 302 sq.; 17: 647, 666, 732.
 of the Muyscas 16: 220.
 of the Sia 11: 26, 143.
- Cosmography, Tewa** 29: 41 sq.
- Cosmological Beliefs (or Ideas)** 37: 163; 47: 487 sq.
- Cosmology**
 explained by Smohalla 14: 720.
 mention of 33: 299.
 not simple but composite 21: 136.
 of the Arapaho 14: 959, 983.
 of the Caddo 14: 1093.
 of the Cherokee 14: 971.
 of the Columbia River tribes 14: 722.
 of the Iroquois 21: 127-339.
 of the Menomini 14: 20.
 of the Paiute 14: 1050.
 of the Tlingit 26: 451-460.
 of the Zuñi 13: 370, 379, 388.
- Cosmos, The**, beliefs concerning 42: 477-481.
- Cosna** 46: 126.
- Cosninos** 4: 30.
- Costa Rica**
 Anastasia Alfaro donates gold ornaments from 10: xxii.
 character of pottery of 20: 20.
 establishment of 17: 109.
 origin of name of 6: 35.

Costano Dialects, Latham's, opinions concerning 7: 92.

Costanoan Family 7: 70, 71.

Costanoan Stock

games of the 24:

hand game 283.

hoop and pole 472.

stick games 248.

tribes of the 24:

Rumsen 283, 472.

Saklan 248.

Costansó, Father Miguel

extract from diary of 44: 41-44.

reference to diary of 44: 36.

Coste, De Soto's visit to 19: 200.

Costello, John, killed at Wounded Knee 14: 872.

Costumes

ceremonial, of Tusayan 15: 265, 270, 275, 277, 278, 281, 282, 283, 287, 295.

for Sword-swallowing dance 47: 115.

in ceremonial 11: 106, 122, 133.

in religious ceremonies 15: 267.

of dancers 47: 100-105, 303, 304, 305, 314, 318, 324.

of Fire society members 47: 114.

of medicine-men 47: 113, 118.

of the Algonquian Indians 15: 44.

of the Eskimo 11: 208.

of the Ghost dancers 14: 788, 814, 916.

of the Louisiana Indian women 13: 32, 33.

of the Nenenot 11: 289.

of the Sia 11: 22.

of warriors 46: 548, 553 *sq.*

of women 47: 870 *sq.*

of Zuñi katechins 47: 857, 869-872, 908, 919, 923, 931, 935, 936, 946, 958, 962, 967, 969, 986, 988, 990, 991, 993, 996, 1002, 1006, 1007, 1009, 1011, 1012, 1013, 1014, 1016, 1017, 1018, 1020, 1021, 1023, 1024, 1026, 1028, 1031, 1032, 1035, 1036, 1040, 1041, 1048, 1051, 1055, 1056, 1057, 1065, 1066, 1067, 1070, 1071, 1073, 1074, 1075, 1076, 1077, 1078, 1080, 1082, 1085, 1086.

representation of, on effigy vases, Middle Mississippi Valley group 20: 57.

worn at Bull's dance 46: 562.

Costumes—Continued

worn at Fox dance 46: 561.

worn at Soldiers' dance 46: 563.

See also Antelope Priests; Clothing; Dress; Ghost Shirts.

Costumes, Weapons and Ornaments (distinctive), pictographs of 10: 749-756.

Costumery in Tusayan ceremony 16: 282, 284, 288, 292, 294.

Cosumne (*or* **Cosumni**), ball race of the 24: 669 *sq.*

Coteea'kun. *See* Kotai'aqan.

Coto, description of 21: 89.

Cotokinuñwû

derivation of 21: 124.

description of 21: 120.

statuette of, at Oraibi Flute altar 19: 993.

Cotoname

linguistic material, work on 29: 13, 14.

vocabulary, collected by Doctor Gatschet 7: 68.

Cotonné, synonym of Kutenai 14: 731.

Cotoplanenee land cessions and reservations 18: 782.

Cottage Home Group of Ruins, mention of 41: 496.

Cottman, George S.

information furnished by 24: 342, 344.

on game of bullet 24: 343.

Cotton

appearance of, in pictures of Hopi katechins 21: 43, 59, 65, 70, 90, 92, 99, 102, 105, 106, 122.

apron 38: § 548.

at Acoma, Coronado's account of 14: 560.

Casa Grande, references to 28: 148, 156.

cloth at Tusayan 14: 489.

cords and bands 38: § 39-44.

cultivation of, by Guiana Indians 30: 77 *sq.*; 38: § 246.

cultivation of, by the Hopi 17: 596, 629.

cultivation of, by the Tusayan 8: 33.

cultivation of, on Rio Grande 14: 575.

fabrics in Verde ruins 17: 573.

Cotton—Continued

found at Cibola by Coronado 14: 558.

garments of the Hopi 17: 599.

hammocks 38: § 460, 462, 466-476.

loopwork on a frame 38: § 56.

plaits of, source of 30: 337.

products of, traded by the Pima 26: 94.

raised by the Pima 26: 29, 148 *sq.*

sails 38: § 797.

scale lines 38: § 38.

shawls of Lower Mississippi 13: 25.

substitute for 33: 65.

twine 38: § 33-37.

use of, by the Pueblo Indians 14: 569.

used in ceremonies 30: 92, 340.

woven in pueblos, native 3: 375.

Cotton Cloth

Eskimo clothing made of 18: 32.

Eskimo hunting bag made of 18: 167.

Cotton Gin, grant to Cherokee of 19: 85.

Cotton Gin Port

mention of 42: 827.

road from 42: 826.

Cotton Plant, uses of 26: 77.

Cotton States and International Exposition, exhibit at 17: LVIII.

Cottonnai, synonym of Kutenai 14: 731.

Cotton's Ranch

same as Pueblo Ganado 19: 604.

site of old Wukopakabi 19: 614.

Cottontail, account of 26: 82.

Cottonwood

coronet worn in Snake dance 16: 306.

in basketry 26: 134.

in Paiute Ghost song 14: 1055.

leaves in Tusayan ceremony 16: 282, 283, 292, 294.

medicinal use of 42: 660.

mention of 33: 72.

mystic character of 33: 57.

narrow-leaf, used in ceremonial 30: 97.

not used in Cipaulovi Snake dance 16: 284.

Pima food plant 26: 69.

sacred character of 14: 968.

use of, by Indians 14: 967.

used for framework of Ki 26: 154.

Cottonwood Canyon, Utah

archeological work in 40: 13 *sq.*

collection from 41: 19

Coualina, comets sent by 30: 259.

Couches of the Omaha 13: 275.

Coudreau, H. A., cited 30: 152, 165, 254, 285, 289, 309 *sq.*, 329, 355, 375.

Coues, Dr. Elliott

citing Grace's Diary on Yavapai 26: 200.

death of 21: xxxviii.

on bird carvings from mounds 2: 148.

on dependence of fur traders on wild rice 19: 1101 *sq.*

on dependence of Northwest Fur Company on wild rice 19: 1103.

on description of wild rice plant 19: 1026.

on early range of horses 15: 174.

on "Fols Avoins Sauteurs" 19: 1042.

on influence of wild rice on geographic nomenclature 19: 1122, 1123, 1124.

on Kinnikinie 15: 172.

on Kino's route 17: 60.

on massacre at Caborka 17: 77.

on popular synonym for wild rice 19: 1023, 1024.

on time of year when Dakota consume wild rice 19: 1087.

on wild rice in North Dakota 19: 1031.

reference to translation of Diario 19: 599.

search of, for documents in the Pueblos 21: x, xxii.

work by, cited 28: 57.

work of 26: 28.

Cougar

invoked in medicine 30: 59.

myths concerning 11: 39, 154.

range of the 2: 142.

Society of the 11: 118.

special connection of, with man 27: 512.

Coughs

and colds prevalent at rising of Great Bear 38: § 937.

treatment of 42: 660 *sq.*, 667, 668.

See also Whooping Cough.

Coulanges, Fustel de, description of the "Ancient City" by 19: xli.

Coulter, Doctor, Pima vocabulary by
7: 98; 26: 269 sq.

Coulter, John M., on wild rice in
Texas 19: 1032.

Coulter, P. F., inclosure on land of
12: 468.

Council

description of 46: 436-440, 446 sqq.

forming new government 42: 330.

Indian, at Huron village 1: 251.

Isleta, members of 47: 250 sq.

manner of conducting 42: 536 sq.

matters decided by 47: 478.

of priests 47: 478.

of the Tsimshian 31: 433.

Omaha tribal 3: 361.

See also **Councils**.

Council Bluffs, treaty of 27: 622.

Council Fire

covering and uncovering of 32: 541.

description of 42: 536.

Council for the Indies, investigation
of charges against Cabeza de
Vaca by 14: 349.

Council, General, of the Confederacy
42: 310, 320.

Council, Governing Tribal

modern form 27: 635.

on annual buffalo hunt 27: 276,
277 sq., 280, 302 sqq.

Council Lodge

diagram of 46: 437.

order of entering 37: 163.

seating arrangements in 37: 164
sq.

Council of Seven Chiefs.

at Watha'wa 27: 497-500.

authority as to keepers 27: 595.

general account of 27: 206-212.

gens represented in 27: 172.

origin of 27: 74.

part in anointing Sacred Pole 27:
230-233.

part in buffalo hunt 27: 276, 280,
281, 283, 423, 425.

punishment of offenders 27: 213.

references to 27: 196, 203, 236.

use of kinship terms in 27: 314.

Council of the Gods, night ceremonies
of 23: 241-249.

**Council of the Gods and Rain-
makers** 23: 144.

Council of the Gods and Sha'läko
23: 129.

Council, World

chief chosen for all peoples 32: 332-
341.

held at Broken Land 32: 325.

invitation to attend 32: 336.

Councils

customs connected with 45: 154 sq.

discussion of 46: 451.

held for all important undertakings
37: 163.

not permanent 45: 263.

of war 45: 188.

tribal, composition of 43: 462.

uses of pipes in 20: 44.

See also **Clan Council**; **Council**;
Town Council.

Counter-charms to Indian "medi-
cine" 9: 459 sq.

Counterirritants 38: § 926.

Counting

among the Osage 17: 260.

analogy of, between animals and
tribesmen 19: 833 sqq.

and number systems, primitive 19:
833-843.

by fingers 42: 454.

decimal system of 42: 453.

Eskimo methods of 18: 236 sq.

manner of 44: 246.

mention of 42: 453-456.

of blankets 35: 1055.

system of 45: 148; 46: 418 sqq.

Counting Game of Sauk and Foxes
24: 234.

Counting Sticks of the Cree 24: 230.

Coup, counting of 46: 560.

Courage, medicine for 30: 85, 158.

Couria Drink 38: § 261.

Courois, built mounds for dwelling
sites 12: 653.

Court, Indian

among the Menomini 14: 34.

establishment of, among the Kiowa
17: 220.

Courting

flowers used in 30: 64.

medicine used by Winnebago in
37: 263.

methods of 30: 313 sq.

See also **Courtship**; **Love**.

Courting Game. *See* **Matrimonial
Game**.

Courtois Group of mounds 5: 15.

Courts

Cherokee, narrowing of jurisdiction of 19: 156.

Chukubi 8: 59.

East Cherokee 19: 166.

Hawikuh 8: 81.

in ancient Verde ruins 13: 196.

Ketchipauan 8: 81.

Kin-tiel 8: 92.

Kwaituki 8: 56.

Mashongnavi 8: 68.

Matsaki 8: 86.

Mishiptonga 8: 52.

Pecado 8: 95.

Shumopavi 8: 74.

Shupaulovi 8: 71.

Sichumovi 8: 62.

Tâaaiyalana 8: 90.

Walpi 8: 63.

Zuñi 8: 98.

See also Plaza.

Courtship

account of 27: 318-324, 361.

among Fox Indians 40: 309.

among the Eskimo 11: 188.

among the Omaha 3: 259.

Assiniboin customs of 46: 510 sq.

See also Courting; Love.

Couscou Drink 38: § 268.

Cousins, George, Eufaula chief 42: 322.

Cousins, marriage of 30: 201, 318; 31: 412; 38: § 874.

Coussa. *See Coosa.*

Coussapoa Latifolia, for red pigment 38: § 28.

Cousschaté. *See Koasati.*

Coutanie, a synonym of Kutenai 14: 731.

Couteau, a name for the Thompson Indians 45: 447.

Coutts, Capt. Cave J., on the Pima 26: 31.

Couvade

customs resembling 42: 359 sq.

description of 30: 320-324.

mention of 3: 263; 38: § 907.

traces of, among the Tsimshian 31: 530.

See also Pregnancy.

Couvillon, N. A., mounds on land of 44: 410 sq.

Covens, Jean, maps published by 17: 63 sq.

Cover Basketry 38: § 449.

Covered

passages and gateways, description of 8: 180 sq.

way, manner of development of 8: 76.

Coverings, head 38: § 518.

Covers

to burial vases, South Appalachian group 20: 133, 136 sq.

to smoke-holes of Eskimo houses 18: 246, 251.

Coville, F. V.

acknowledgments to 14: 655; 30: 38.

on identification of ancient food remains 17: 741 sq.

Covington, La., bowl made by the Choctaws at 20: 102.

Cow

appearance of head of, in pictures of Hopi kateinas 21: 113.

in Cherokee myth 19: 265.

See also Bison; Buffalo.

Cow-ant in Cherokee lore 19: 309.

Cow Creek

Seminole Indian settlement 5: 477, 478.

treaty of 18: 790.

Cow Dance, mention of 42: 534.

Cow-fly, string figure of 38: § 640-642.

"Cow-hide Purchase," myth of 42: 76.

Cow Horn Game, mention of 47: 240.

Cow Kateina

introduction of, among the Hopi 21: 17.

See also Wakac.

Cow-keeper, an Oconee chief 42: 449.

Cow Parsnip

mention of 33: 107.

use of 45: 457, 482, 504.

See also Heracleum Lanatum.

Cowabbe. *See Little Prince.*

Cowassawdays

bean festival of 42: 568

See also Koasati.

Cowe, description of Cherokee Council House at 5: 87.

Cowee

burning of, in 1783 19: 61.

legends of 19: 375-378, 496.

trail to 42: 773.

Cowejo, name applied to Wovoka 14: 765.

Cowell, —. *See Robinson Episode.*

Coweta

allocation of clans in beds at 42: 201, 204.

and Kasihta medicine divided by 42: 546.

arrangement of square ground of 42: 228, 229, 274, 275.

attempted explanation of the name 42: 73.

belief of, concerning busk 42: 546.

busk name of 42: 614.

busk of, description of 42: 586–589, 604 *sq.*

busk of, held with Eufaula 42: 568.

ceremonial title of 42: 307.

claims of, to ownership of land 42: 338.

clan councils of 42: 126.

clans of, furnishing chiefs and henihas 42: 193 *sq.*

clans, phratries and moieties of 42: 161.

distinguished from the Kasihta 42: 38.

friendship of, with Tukabahchee 42: 66, 67, 68 *sq.*

leadership of 42: 308 *sq.*

legendary associations of 42: 53.

legendary origin of 42: 50, 53.

legendary origin of the name 42: 54.

Lower Creek Red town 42: 126, 255.

Lower Creek towns controlled by 42: 323.

medicine of, buried under fire 42: 545.

medicine taken at 42: 608.

Muskogee element represented by 42: 40.

mythic history of 42: 55–63.

one of four leading towns 42: 548.

origin of position as head war town 42: 55.

originally united with Kasihta 42: 261.

place of general assembly 42: 311.

position of beds at 42: 199.

primacy of 42: 327, 328.

relations of, with Chickasaw 44: 176.

Coweta—Continued

right of, to dispose of the country 42: 309.

selection of chief of 42: 284 *sq.*

separation of, from Kasihta 42: 546.

town emblem of 42: 243.

union of, with Tukabahchee 42: 68.

war of, with Cherokee 42: 54.

Coweta and Tukabahchee, friendship between 42: 66, 67.

Cowie, Isaac, material collected by 24: 734.

Cowlitz Tribe

basketry of 41: 133, 142, 182, 354, 355, 356, 357.

caps worn by 41: 354.

dialect of, like Upper Chehalis 41: 383.

membership of, in Shaker church 14: 759.

mention of 41: 136.

rims of baskets of 41: 142.

Cowrie Shells, use of 44: 148.

Cowskin Creek, treaty of 18: 744.

Cowslip. *See Caltha Palustris.*

Cox, John T., commissioner to appraise neutral lands 5: 351.

Cox, P. E.

burials found by 41: 574.

excavations made by 41: 605.

work done by 42: 3.

Cox, Ross

on hand game, Chinook 24: 282.

on cremation, Tolкотin 1: 144.

Cox, William, stone graves on old place of 12: 140.

Coxe, D., on Turtle River 14: 1029.

Coxe, William, quoted on Indian magic powder 9: 548.

Coyattee, treaty of 19: 63 *sq.*

Coyetie land cessions and reservations 18: 782.

Coyote

fetish of the Zuñi 2: 26.

in Pima legend 28: 44.

in Salish myth 14: 205.

myths concerning 11: 147; 19: 467, 468.

Serian, Piman, and Yuman names for 17: 342* *sq.*

stories about the 43: 383–387.

the culture hero 45: 176, 290.

Coyote—Continued

the culture hero, basketry taught by 41: 223.

See also **Isauu**.

Coyote, among the Pima.

disease caused by 26: 263.

in mythology 26: 209, 210, 213, 214, 216 *sqq.*, 226, 230-237, 240, 248, 249, 386 *sq.*

in religion 26: 251, 252.

in song 26: 288, 304, 305, 312, 316 *sq.*, 336.

in tales 26: 243-246, 249, 250.

See also **White People**.

Coyote and Chickens, a Papago game 24: 794.**Coyote Clan.** *See* **Hopinyû; Isauû Clan****Coyote Kiva, direction of the** 8: 116.**Coyote Men, duties of the** 14: 985.**Coyote, Old, story about** 43: 363 *sqq.*, 377-381.**Coyote People, settlement in Tusayan of the** 8: 26.**Coyote Spring, location of** 21: 84.**"Coyote Track" design in Pima basketry** 26: 137.**Coyote Woman, Old, story about** 43: 377-381.**Coyotero Apache**

disposal of land claimed by the 18: 922.

inhumation of the 1: 111, 112.

population of the 7: 56.

Tewa names for the 29: 547.

See also **Apache**.

Coytmore, Lieutenant —, murder of 19: 42 *sq.***Cozad, Belo, acknowledgments to** 14: 655.**Cozcaquauhtli day symbol, discussion of** 16: 252.**Cozzens, —, work by, cited** 28: 62, 66.**Cpatimiti, assistant war chief** 47: 45.**Cqaquê'. *See* Skagway.****Crab**

name of Tlingit gaming stick 26: 444.

place of, in Seri dietary 17: 195*.

representation of, Florida pottery 20: 127.

search for 38: § 220.

Crab—Continued

search for, according to position of Pleiades 38: § 937.

string figure of 38: § 642.

See also **Crabs**.

Crab Baskets, character of 30: 316 *sq.***Crab-dog** 38: § 717.**Crab Orchard, Ky.**

route to 42: 793, 796.

skirmish at, in 1794 19: 74, 78.

western terminus of the Wilderness Road 42: 800.

Crabapples

and water, price of 35: 762.

brittle 35: 594.

feast of 35: 762.

in oil 35: 594.

mashed, mixed with salal-berry cakes 35: 594.

mashed, steamed 35: 594.

mention of 33: 86.

picking of 35: 213.

preserved in water 35: 286.

wild, medicinal use of 42: 659.

Crabs

as weather charms 35: 620, 625, 628.

capture of 30: 316.

dogs named for 30: 307.

Eskimo method of catching 18: 183.

legends concerning 30: 316 *sq.*, 380.

See also **Crab**.

Cracca Virginiana, medicinal use of 42: 658.**Cradle Board**

description of 27: 327.

Isleta 47: 218.

use of, by the Assiniboin 46: 519 *sq.*

See also **Baby Board; Baby Carriers**.

Cradle Songs 42: 362 *sq.***Cradles**

deposited in caves 35: 672, 692 *sq.*

figurine representing 20: 40, 41.

Fox Indian use of 40: 319.

mourning, illustration of 1: 181.

of the Kiowa 17: 154.

of the Kwakiutl 35: 658-665.

of the Mandan 15: 241.

of the Menomini 14: 258.

of the Omaha 13: 275.

Cradles—Continued

of the Seri 17: 226*, 227*.
textile, description of 13: 18.

Craft, Father —

at battle of Wounded Knee 14: 872.
regard of Indians for 14: 874.
wounded at Wounded Knee 14: 878.

Crafts, restrictions on 30: 292, 302
sqq.

Crafty, sign for 1: 303.

Craig, J., survey by 18: 727.

Crall, I. S., works on land of, Pennsylvania 12: 494.

Cram, T. J., on influence of wild rice on geographic nomenclature 19: 1120.

Cramped Hand

cited on beliefs 11: 366.
exhibition of shamanism by 11: 417.

Cramps, how treated by the Zuñi 30: 63.

Cranberry

chemical composition of 19: 1081.
use of 44: 291, 307, 321.

Cranberry Bush, use of 45: 487.

Crandall, C. S., on introduction of wild rice into Colorado 19: 1029.

Crane

figure carried at Makauri dance 38: § 842, 843.
in Tlingit mythology 26: 434.
legends concerning 30: 135, 335 *sq.*, 338.
myths concerning 19: 290 *sq.*, 325, 445, 455.

See also **Cranes**.

Crane Clan

with the Patuñ clan 19: 595.

See also **Atoko Clan**.

Crane Dance, mention of 42: 523, 534.

Cranes

circling of, in Eskimo legend 18: 480.
in the Pueblo region 14: 521.
story about 43: 359 *sqq.*

Crania

americana (Morton) 46: 231.
Blackfoot, work done on 44: 5.
Eskimo, paper on 44: 5.
from Chaco Canyon 44: 10.

Crania—Continued

from Elden Pueblo 44: 18.
found in caves of Cuba 34: 247 *sq.*
human, from Pueblo ruins, collection of 22, i: 34, 110, 134.
Siksika 44: 5.

See also **Skulls; Trephining**.

Cranial Capacity

of Western Eskimo 46: 255, 258.
of Yukon Eskimo 46: 163.
of Yukon Indians 46: 152, 153, 154.

Cranial Index

in children, Eskimo 46: 298.
module, Western Eskimo 46: 255, 256, 258.

Crank, James A., on Apache Canyon 29: 480.

Crantz, David

cited 6: 412, 586, 590; 46: 330, 333, 367.

on condition of Greenland widows 9: 414.

on Eskimo bows 9: 199.

on Eskimo burial 9: 426, 427.

on Eskimo harpoons 9: 222, 243.

on Eskimo saws 9: 174.

on Eskimo umiaks 9: 337, 338.

on Eskimo fishing 9: 284.

on fire-making by Eskimo 9: 290.

on mode of carrying Eskimo infants 9: 416.

on scratching among Eskimo 9: 491.

on seal catching by Greenlanders 9: 256.

on whale catching by Greenlanders 9: 275, 276.

quoted on Eskimo amulets 9: 437-440.

work of, consulted 9: 21.

Crataegus, use of 44: 289, 307, 321, 356, 377.

Crataegus Chrysocarpa 33: 87.

Crataegus Columbiana 45: 487, 497.

Crataegus Douglasii 45: 457, 486.

Craven, Governor —, defeat of Yamassee by 19: 33.

Craveri, —, on Mexican stone chipping 13: 139.

Crawfish

a life symbol 36: 116.

myths and lore concerning 19: 239, 308, 425.

- Crawfish Gens** 36: 116.
- Crawford, —**
 on East Cherokee desire for removal 19: 165.
 on numbers of East Cherokee 19: 168.
- Crawford County, Wis., mounds in** 5: 14, 17, 18, 20
- Crazy Bear, Chief**
 account of 46: 401.
 made head chief 46: 431.
 speech of 46: 597 *sqq.*
- Crazy Dance**
 description of 14: 988.
 of the Arapaho 14: 1033.
 reference to 43: 193.
- Crazy Horse**
 a Dakota chief 15: 190.
 maker of hoops for hoop and pole, Oglala Dakota 24: 507.
- Crazy Horses, a Kiowa military order** 17: 230.
- Crazy Men, an Arapaho order** 14: 988.
- Crazy Snake, headquarters of** 42: 251.
- Creasers for boot soles used by Eskimo** 18: 108.
- Creation**
 myths 11: 32, 338, 438, 506, 513, 519.
 of man, plants and animals 30: 141-148.
 signification of, in development of religion 21: 138.
 song of 33: 296, 313, 317, 625, 627, 629, 634.
 story of 33: 300, 302.
- Creation Legends**
 of the Antilleans 25: 72 *sqq.*
 of the Pima 28: 44, 49, 61.
- Creation Lodge, meaning of** 37: 481.
- Creation Myths**
 analysis of 32: 54.
 in Pebble Society ritual 27: 570 *sq.*
 mention of 42: 487 *sq.*
 of the Eskimo 18: 425 *sqq.*, 452-462, 482, 483.
 of the Osage 27: 63.
 of the Zuñi 13: LIX, 321-447.
 Pima, abstract 26: 247 *sq.*
 Pima, text 26: 206-230.
- 95719°—33—18
- Creation Myths—Continued**
 Pima, version by young native 26: 237 *sq.*
 rites connected with 27: 177 *sq.*, 195.
 reference to 27: 171 *sq.*
 study of 18: XLIV.
 teachings of 32: 62.
- Creation Songs of the Pima** 26: 272 *sq.*
- Creative Corporations, purposes of** 20: LXXIII.
- Creator**
 Assiniboin conception of 46: 486.
 beliefs concerning 45: 289.
See also God.
- Credentials, exchange of** 38: § 815.
- Credit among the Indians** 46: 459.
- Credit and Trust** 38: § 820.
- Cree**
 absence of Ghost dance among the 14: 817.
 culture hero of the 40: 375.
 exploit marks of the 10: 440.
 Flathead name for 45: 302.
 games of the 24:
 dice games 68 *sq.*
 double ball 648, 652 *sq.*
 European games 791.
 hand game 270, 273, 316.
 hidden ball 342.
 racket 573.
 ring and pin 528, 535 *sq.*
 snow-snake 403 *sq.*
 stick games 230.
 tops 734.
 jugglery among the 14: 141 *sqq.*
 name of, in sign language 45: 147.
 name of the Cheyenne 14: 1023.
 northern relatives of the 11: 267.
 notice of death given by the 10: 518.
 population of the 7: 49.
 relations of, with the Saulteaux 19: 1040.
 Tenskwatawa religion among the 14: 679.
 tribal sign for the 1: 466.
- Cree Language**
 cluster *st* in 28: 234.
 conjunctive mode in 28: 272.
 consonantic clusters in 28: 231, 283.
 description of 28: 238-247.

Cree Language—Continued

- examples from Horden 28: 248.
 examples in comparison with 28:
 Abnaki 279, 283, 284.
 Algonkin 250, 251, 252, 260, 261, 262, 265, 267, 272.
 Cheyenne 233, 286.
 Delaware 250, 251, 256, 259, 260 sq., 265, 267, 269, 273, 274, 275, 278, 279, 284, 286.
 Eastern Algonquian 257, 269.
 Fox 235, 247, 248, 249, 250, 251, 252, 256, 258, 259, 260 sq., 265, 267, 269, 273, 274, 275, 278, 279, 284, 286.
 Kickapoo 248, 259, 267.
 Malecite 274, 279, 284.
 Menomini 249, 250, 251, 252, 259, 261, 262, 267, 271, 273, 279, 283, 284, 288.
 Micmac 256, 272, 284, 288.
 Minsi 274.
 Montagnais 247, 248, 259, 261, 267, 272, 278, 279, 286.
 Natick 250, 251, 265, 273, 274, 275, 279, 281, 284, 286.
 Ojibwa 249, 250, 251, 252, 256, 257, 258, 261, 262, 263, 265, 267, 268, 269, 271, 272, 274, 275, 278, 279, 283, 284, 286.
 Ottawa 248, 250, 251, 261, 262, 267.
 Passamaquoddy 267, 283, 284, 286.
 Penobscot 267, 269, 283, 284.
 Peoria 250, 251, 252, 256, 261, 262, 265, 267, 269, 272, 274, 275, 278, 279, 283, 284, 288.
 Potawatomi 262.
 Sauk 248, 259, 267, 271, 288.
 Scaticook 279.
 Shawnee 251, 252, 256, 257, 258, 261, 262, 265, 267, 268, 269, 271, 272, 274, 278, 279, 283, 284, 286.
 Stockbridge 284, 290.
 independent mode in 28: 247, 248, 258, 268.
 indicative mode in 28: 273.
 relationship of 28: 232.
 subjunctive mode in 28: 247, 248, 260, 265, 269, 271.
See also Cree-Montagnais; East Main Cree; Fort Totten Cree; Moose Cree; Rupert's House Cree.

Cree-Montagnais Language

- examples in comparison with 28:
 Algonkin 259.
 Delaware 273, 277, 280.
 Eastern Algonquian 286, 287, 288.
 Kickapoo 259.
 Menomini 259, 273, 277, 278.
 Micmac 273.
 Natick 259, 280.
 Ojibwa 259, 260, 273, 277, 280, 287.
 Ottawa 259.
 Passamaquoddy 277.
 Peoria 259.
 Potawatomi 259.
 Sauk 259.
 Shawnee 259, 287.
 independent mode in 28: 259.
 relationships of 28: 244, 250, 252, 288, 289, 290a.
 suppositive mode in 28: 273.
See also Cree; Montagnais.
Creek-American War of 1813, towns refusing aid in 42: 323.
Creek and Cherokee Boundary, disputes 5: 266.
Creek and Seminole
 "Hallelujah" of the 1: 195.
 inhumation of the 1: 95, 96.
Creek, Choctaw and Cherokee, box burial of the 1: 155.
Creek Confederacy
 bulletin on history of 42: 31.
 divisions of 42: 315.
 effect of, on bulk of people 42: 321.
 effect on, of Civil War 42: 330, 331.
 evolution of 42: 259-275.
 general council of 42: 310-320.
 increase in power of 42: 323 sq.
 protection given by, to component tribes 42: 46.
 time of foundation of 42: 310.
Creek Confederation, paper on 44: 173.
Creek Culture, intrusive character of 42: 718, 726.
Creek Culture Area, features of 42: 715 sq.
Creek Indians
 alliance of, with Apalachicola 42: 39.
 bulletin on 41: 7, 31.
 ceremonial ground of 42: 687.
 condition of, in 1845 42: 332 sq.

Creek Indians—Continued

- connection of, with Florida pottery 20: 115.
- connection of, with Gulf Coast pottery 20: 105.
- connection of, with South Appalachian pottery 20: 131 *sq.*, 139, 142, 143.
- customs of 42: 702, 703, 707.
- customs of, in general 42: 358-470.
- customs of, summary of 42: 713-717.
- divisions of 42: 68.
- dwellings of 42: 687, 688.
- extreme cruelty of 42: 418.
- facial painting among 42: 686.
- feather cloaks worn by 42: 682.
- land cessions and reservations 18: 560 *sq.*, 633-636, 639, 658, 660 *sqq.*, 670, 678, 688, 702, 708, 714, 720, 734, 746 *sqq.*, 778, 816, 840, 862, 918, 930.
- leggings worn by 42: 682.
- location of 42: 51.
- marriage customs of, affected by clans 42: 166 *sq.*
- meeting of, with the whites 42: 75 *sqq.*
- memoir on, by Dr. J. R. Swanton 36: 13.
- occupation of South Appalachian province by 20: 130.
- origin of the name 42: 48.
- papers on 40: 17; 42: 17.
- power of Shawano prophet among 14: 676.
- predecessors of 42: 51.
- preparation of paper on 42: 6 *sq.*
- property, customs concerning 42: 334-338.
- proportion of warriors to population 14: 33.
- prostitution among 42: 697.
- puberty customs of 42: 698.
- publications on the subject of 45: 1 *sq.*
- rank of tribes of 42: 50.
- social divisions among 42: 695.
- Tecumtha among 14: 687.
- town arrangement of 41: 501.
- town square of 41: 511-514.
- Upper and Lower, traditional meeting of 42: 68.
- war, customs concerning 42: 405-443.

Creek Indians—Continued

- war of 14: 677.
- war of, with the Chickasaw 42: 51.
- war of, with the Seminole 42: 51.
- widows, customs concerning 42: 334-337.
- writers on 42: 679.
- See also* Creeks.
- Creek Language**, study of 13: XL.
- Creek Path**
 - Cherokee attack on settlement on 19: 383 *sq.*
 - withdrawal of Creeks to neighborhood of 19: 383.
- Creek War**
 - beginning of 19: 87 *sqq.*
 - Cherokee loss by 19: 97, 98.
 - Cherokee part in 19: 89, 97, 164.
 - Cherokee remembrance of 19: 232.
 - pensions to Cherokee veterans of 19: 123.
- Creeks**
 - among the Cherokee 19: 142 *sq.*
 - amounts of wild rice harvested by 19: 1076.
 - attitude of, during Civil War 19: 148, 149.
 - attitude of, during the Revolution 19: 55, 59 *sq.*, 62-66, 70, 72, 73, 74, 77.
 - attitude of, in 1794, 1795 19: 78, 80.
 - blood of, among the Cherokee 19: 234.
 - boundary between Cherokee and 19: 62.
 - cane-splint fire among 19: 429-439.
 - Cherokee relations with 19: 14, 15, 22, 33, 38, 62, 89, 142, 372, 382-385.
 - chiefs of 19: 209 *sq.*, 216 *sq.*
 - Choctaw relations with 19: 390.
 - conjuring by 19: 502.
 - friendly, part taken by, in Creek War 19: 90-95.
 - genesis legend of 19: 229.
 - hoop and pole game of the 24: 422, 487.
 - in Texas, union of, with Cherokee 19: 143.
 - massacre at Fort Mims by 19: 216.
 - myths of 19: 430 *sqq.*, 434, 436, 447, 450, 452-455, 463, 467, 473, 476.

Creeks—Continued

- mythology of the 24: 606.
- Natchez among 19: 386.
- paper on, by J. R. Swanton 47: 2.
- peace town of 19: 207 *sq.*
- peace treaties with, in 1796 19: 67 *sq.*, 81.
- population and habitat of the 7: 95.
- probable origin of Cherokee myths among 19: 235.
- removal of, to the west 19: 141.
- sacred medicine of 17: 242.
- sacred square of 19: 502.
- sketch of 19: 498.
- songs of 19: 504.
- standard of life of 19: 1079.
- Taskigi among 19: 388 *sq.*
- treaty signed by, in 1835 17: 169 *sq.*
- treaty with Virginia and North Carolina by 19: 63.

See also Creek Indians; Muskogee.

Creeks and Rivers, named from wild rice 19: 1118-1124**Creel**

- cage basket for fish 38: § 204-206.
- manufacture and patterns of 38: § 421.
- string figures of 38: § 673, 674, 677.

Creepers, ice, used by the Eskimo 18: 215 *sq.***Cremation**

- among Bonaks 1: 144.
- among Cocopa and Yuma 41: 61, 88.
- among Eskimo 9: 426.
- among Indians of Clear Lake 1: 147.
- among Indians of southern Utah 1: 149.
- among Maricopa 26: 45, 202.
- among mound builders 12: 609, 675, 676.
- among Nishinams 1: 144.
- among Pima 26: 46, 52, 53, 194, 202.
- among Pueblo Indians 14: 518.
- among Pueblo Viejo inhabitants 19: xv.
- among Se-nél 1: 147, 148.
- among Tlingit 26: 430.
- among Tolkotins 1: 144, 146.

Cremation—Continued

- among Yuman and Piman tribes 13: 366.
- antiquity of 1: 143.
- formerly practiced by the Zuni 13: 336.
- furnace 1: 149.
- in Pima mythology 26: 229.
- mound, Florida 1: 148, 149.
- not practiced at Sikyatki 17: 649.
- object of 30: 160.
- partial 1: 150, 151.
- practiced by Pueblo Indians of Pueblo Viejo 22, i: 175 *sq.*
- practiced by the Shawano 14: 674.
- prevalence of 26: 25 *sq.*
- prevalence of, in olden times 31: 564.

See also Mortuary Customs.

Cremony, Col. John C.

- on Apache chungke stone 13: 99.
- on hoop and pole, Mescalero Apache 24: 449 *sq.*
- on lawlessness in Tucson 26: 58.
- on running races, Mescalero Apache 24: 803 *sq.*
- on Yuma-Pima battle 26: 47.

Creoles, raquette formerly played by 24: 605.**Creosote Bush**

- gum from 26: 106, 131, 172.
- in Pima mythology 26: 206, 207, 247.
- Pima medicinal plant 26: 79.

Crépy, —

- on Patoqua 29: 398.
- on San Cristóbal 29: 486.
- on San Juan 29: 213.
- on San Marcos 29: 551.
- on Santa Clara 29: 242.

Crescent, Mo., flint-capped area near 44: 533 *sq.***Crescent**

- appearance of, in pictures of Hopi kateinas 21: 75, 78, 80, 82, 98, 99.
- shaped figures, on articles from ruined pueblos, forms and variations 22, i: 89 *sq.*
- shaped vessel, Middle Mississippi group 20: 94.

Crescentic Implements. *See* Knives.

Cresollius

- procedure of gestures 1: 282.
value of gestures 1: 280.

Crespi, Father Juan

- Burton Mound village described by 42: 8.
extract from diary of 44: 36-41.

Cresson, H. T.

- remains of fish-weirs found by 13: 15.
review of work of 16: xxvi.
work of 15: LXXVIII.

Crest Box 35: 1354.**Crests**

- distribution of 31: 521.
of the Tsimshian 31: 503-506.

Crests, Tlingit

- connection with phratry relationship 26: 423.
descriptive list of 26: 415-420.
in potlatch dances 26: 435 sq.
source of names of 26: 421, 422.
transposition of phratries shown by 26: 423.
used to restore order 26: 449.
See also names of several crests.

Crévaux, J.

- cited 30: 118, 140, 149, 155, 157, 160, 163, 237, 242, 243, 254, 267, 274, 278, 290, 294, 297, 298, 301, 304, 308, 309, 310, 311, 313, 314, 315, 322, 328, 332, 339, 340, 346, 347, 350, 352, 353, 363, 366, 381.
on medicine-men 30: 340.

Crickets

- in Iroquoian cosmology 21: 311.
myths and lore concerning 19: 269, 309, 401, 504.
story about 43: 383-387.

Criley, John, petroglyphs reported by 10: 77.**Crime**

- among the Menomini 14: 34.
among the Zuñi 47: 479.
atonement for, at busk 42: 595 sq.
beliefs concerning 46: 479-483.
Eskimos 46: 94.
how avenged by the Assiniboin 15: 224, 225.
in savagery 15: cxiv.
Indian conception of 46: 483.
property settlement for 47: 479.

Crime—Continued

- punishment for 46: 448, 452, 455; 47: 252.
punishment of, among the Hidatsa 15: 242, 243.
punishment of, among the Iowa 15: 239.
Wyandot laws for 1: 66, 67.
See also **Morals; Retaliation.**

Crime and Punishment

- among the Chickasaw 44: 216-220.
mention of 42: 338-358.

Crimped Coil on pottery 4: 279, 280, 282.**Crippled Child**, destruction of 38: § 729.**Cripples**, beliefs regarding 35: 696.**Crispellae** 9: 541.**Criss, Mrs.** —, flint quarries on land of, Ohio 12: 457.**"Croatan" Indians**

- mixture of Indian, negro and white blood 33: 17.
name repudiated by Indians 33: 17.

Crochet Work 38: § 49, 50.**Crockett, Major** —, expedition of, against the Indians 42: 771.**Crockett, David**

- denounces policy toward Cherokee 5: 288.
opposition to removal project by 19: 129.

Crocodile-like Mythical Animal, of the Eskimo 18: 444 sq.**Croffut, Mrs. W. A.**, acknowledgment to 42: 33.**Croghan, George**

- on early Dakota habitat 15: 190.
Osage mentioned by 15: 192.

Cronau, Doctor —

- archeological objects figured by 25: 64, 136, 213.
diary of Columbus republished by 25: 203.
on Haitian mask 25: 210.

Crook, Gen. George

- designation for 4: 146.
on Indian arrow chipping 13: 140.
on rapidity of arrow chipping 13: 142.
Ponka commissioner 15: 192.
Sioux commissioner 14: 839.
Sioux regard for 14: 826.

- Crook, W. J.**, mound on farm of, Arkansas 12: 228.
- Crook**, appearance of, in pictures of Hopi kateinas 21: 60, 68, 72, 86.
- Crooked Island**, number of specimens from 34: 50.
- Crooked Mountain**
in Pima mythology 26: 211, 212.
in Pima song 26: 297, 322, 337.
- Crooks**
at Walpi Snake dance 19: 982 sq.
in possession of Bear Clan 37: 202, 203.
in Tusayan ritual 17: 703.
on Sikyatki pottery 17: 703 sq., 714, 724.
- Crops**
thanksgiving for 23: 205-217.
See also Harvest.
- Cross**
figure allied to Sun symbol 17: 623.
ideographic 4: 345.
in pictography 4: 252.
on Sikyatki pottery 17: 702.
pictographs, symbols and signification of the 10: 724-735.
place of the, in Indian symbolism 9: 479 sq.
raised by Coronado in Quivira 14: 591.
sign of, among Pueblo Indians 14: 518.
sign of, in Shaker religion 14: 748, 761.
symbol in the codices 16: 232, 259.
symbolism of the 14: 1011.
use of, in Indian ceremonials 7: 155.
veneration for, among Indians 14: 544, 548, 555.
See also Crosses; Crucifix.
- Cross-bars** used in fastening wooden doors 8: 183.
- Cross Cords**, used on kaiaks 18: 228.
- Cross-cousin Marriage** 40: 376, 377.
- Cross Design**
associated with others 2: 270.
combined with spider design 2: 288.
engraved on shell gorgets 2: 268.
evolution or derivation of the 2: 270.
examples of the, combined with birds 2: 282, 283.
- Cross Design—Continued**
examples of the, from mounds 2: 271, 273.
in Aztec paintings 2: 285.
in Navaho silver ornamentation 2: 178.
introduction of the Christian 2: 269.
occurrence of the, in ancient Mexican art 2: 270.
occurrence of the, in Yucatan 2: 270.
origin of the, among mound builders 2: 269.
prehistoric use of the, in America 2: 268, 270.
symbolic character of the 2: 269.
- Cross, Equal-armed.** *See Equal-armed Cross.*
- Cross, Foliated**
at Palenque (Central America), value of face numerals on 22, i: 219.
initial series of, inscriptions of 19: 800.
Tablet of the 19: 733-761, 765-771.
- Cross Man**, Tlingit spirit 26: 467.
- Cross Village Chippewa**, reservation for 18: 810.
- Crosse.** *See Lacrosse.*
- Crossed Quadrilateral Pattern**
basketry pattern 38: § 429.
weaving 38: § 111.
- Crossed-stick Game** of the Navaho 24: 92 sq.
- Crosses**
appearance of, as decorations of Teakwaina yuadta 21: 63.
decorative use of, in pictures of Hopi kateinas 21: 65, 67, 111.
interpretation of 41: 316 sq.
symbolism of 20: 100.
use of, in decoration, eastern United States pottery 20: 67.
use of, in decoration, Gulf Coast stamped ware 20: 108, 109.
use of, in decoration, Middle Mississippi Valley pottery 20: 86.
use of, in decoration, Northwestern pottery 20: 192.
use of, in decoration, South Appalachian stamped ware 20: 134, 136 sq., 140.
See also Cross; Crucifix.
- Crossjacket Village** 46: 126.

Crosspieces of ladders 8: 159.
Crosswell, C., description of shell gorgets by 2: 286.
Crotches of harpoon in Eskimo umiak 9: 341 *sqq.*
Croton, use of, in medicine 30: 45.
Croton Texensis 33: 99.
Croup, remedy for 42: 656.
Crouse, C. W., agent for Pima 26: 34.
Crow
 derivation of *taime* from 17: 240.
 games of the 24:
 archery 383, 391, 529.
 buzz 756.
 dice games 177 *sq.*
 hand-and-foot ball 705, 707.
 hand games 317.
 hoop and pole 428 *sq.*, 502.
 running races 807 *sq.*
 shinny 615, 637.
 snow-snake 415.
 tops 745.
 habitat of the 7: 114, 116.
 Kiowa acquirement of language of 17: 156.
 Kiowa alliance with 17: 153, 155.
 Kiowa medicine lance obtained from 17: 325.
 Kiowa trade with 17: 271.
 land cessions and reservations 18: 786, 848, 862, 864, 870, 874, 876, 880, 882, 884, 898, 900, 902, 904, 906, 908, 924 *sqq.*, 942.
 mention of 4: 103, 104, 105, 107, 114, 115, 118, 120, 121, 122, 123, 124, 126, 127, 130, 132, 134, 135, 136, 138, 140, 141, 142, 143, 144, 146.
 population of 7: 118.
 separation from Hidatsa of 17: 154, 155.
 smallpox among 17: 275.
 treaty council with 17: 183.
 tribal offshoots from 17: 158.
 wars and friendships of 17: 166.
See also Crow Indians.
"Crow, The"
 description of 27: 441-446.
 references to 27: 279, 282.
Crow Bonnet. *See Gaá-Bohón.*
Crow Creek, control of Indians at 14: 849.

Crow Creek Reserve
 changes in 18: 878, 896, 918, 934.
 establishment of 18: 828.
Crow Dance
 description of 14: 921; 42: 533 *sq.*; 46: 564.
 organization of 14: 901.
Crow Dog
 flight of, to Bad Lands 14: 884.
 Ghost dance led by 14: 847.
 removal of, advice of 14: 844.
 surrender of 14: 868.
Crow Feathers
 appearance of, in Hopi katchinas 21: 69.
 importance of 42: 436.
 Indians defrauded with 14: 999.
 sacred regard for 14: 1034.
 use of, as war feathers 42: 496.
See also Crows.
Crow Foot, killed in Sitting Bull fight 14: 858 *sq.*
Crow Indians
 absence of Ghost dance among the 14: 816.
 account of medicine-men of the 14: 706.
 account of the 15: 198.
 amputation practiced by the 46: 427.
 an Hidatsa division 15: 164.
 arrows of the 14: 279.
 beliefs of the 11: 436, 505, 518.
 Black Hill formerly occupied by the 15: 190.
 changes in life of the 45: 346.
 collections from the 13: xxxi.
 crime among the 46: 454.
 distinctive mark of the 4: 231.
 dress of the 46: 587, 588.
 Flathead name for the 45: 302.
 hostility of the 14: 707.
 lodge burial of the 1: 153.
 mode of painting among the 4: 54.
 mourning among the 1: 183, 184.
 name of, in sign language 45: 148.
 name of the Arapaho by the 14: 953, 1013.
 population of the 15: 195.
 scouts in Nez Percé war 14: 714.
 scouts in Sioux outbreak 14: 850, 881.
 Shoshoni country taken by 45: 318.
 Sioux early warfare 14: 1059.

Crow Indians—Continued

- symbolic representation of the 14: 789.
- treatment by the, of captives 46: 551, 552.
- tribal designation of the 10: 380.
- visit of, to Washington 34: 28.
- wars of, with Coeur d'Alène 45: 126 sqq.
- western movement of 45: 316, 318.
- See also* Absaroka; Crow.
- Crow-Neck.** *See* Gaâ-k'ôdâlte.
- Crow Songs** 39: 127 sqq., 182-185, 316; 45: 621 sqq.
- Crow Town**, building of 19: 54.
- Crow Woman**, name applied to Mo'ki 14: 1038.
- Crownbeard**, use of, in medicine 30: 63.
- Crown Feather** 38: § 519-526.
- Crowns, Feather**
 - bestowed on warriors 42: 420.
 - description of 42: 420.
 - mention of 42: 435.
- Crows**
 - appeal to, for aid 39: 295.
 - as helper of men, Omaha, Ponca 27: 445 sq.
 - badge 39: 127.
 - buffalo hunters guided by 39: 183.
 - carvings of 2: 136.
 - Cherokee name for 19: 282.
 - connection of, with warfare 27: 441, 442.
 - in Cherokee myth 19: 283, 314 sq.
 - in Menomini myth 14: 195, 233.
 - in Omaha mythology 27: 175.
 - in Pima flood legend 28: 52.
 - in Pueblo region 14: 521.
 - mystic power of 39: 296.
 - name of Tlingit gaming stick 26: 444.
 - Navaho myth concerning 8: 281.
 - Omaha name for 27: 103.
 - personification of 14: 1001, 1035, 1038, 1068.
 - Ponca name for 27: 103.
 - prominent in tribal rites 39: 182.
 - reference to 27: 204.
 - reference to, in Ghost religion 14: 978, 984, 994, 997, 1031.
 - representation of, in Iroquoian pipes 20: 174.
 - sacred regard for the 14: 919, 982, 1072.

Crows—Continued

- story about 43: 375 sqq.
- symbolism of the 14: 823, 1072.
- why black, myth of 31: 67 sq.
- See also* Crow Feathers.
- Crucibles** of Navaho silversmiths 2: 173.
- Crucifix**
 - used in Shaker ceremonies 14: 755.
 - See also* Cross; Crosses.
- Crucifixion Thorn** 26: 134, 157.
- Cruel Dancers** 35: 1158 sq.
- Cruz, Bahia de la**, explored by Narvaez 14: 346.
- Cruzati, Don Domingo Jironza Petríz de**
 - reference to 28: 54.
 - visit to Awatubi of 8: 49.
- Cryder, Frank**, mound on land of, Ohio 12: 471.
- Cryptocarya pretiosa**, for fever and dysentery 38: § 927.
- Cryptochiton**
 - baked 35: 508.
 - preparation of 35: 506.
- Crystal gazing** 47: 110, 285, 340.
- Crystal River**, archeological sites at 48: 3.
- Crystals**
 - extracted from sick man 30: 379.
 - quartz, use of 44: 92 sq.
 - used as charms 30: 290 sq., 332.
 - See also* Stones, Green.
- Cuabajai**, reference to 28: 217.
- Cuame Indians**, reference to 29: 518.
- Cuanrabi**, mentioned by Oñate 17: 599.
- Cuatro**, game of, Tarahumare 24: 724 sq.
- Cuba**
 - archeological collections from 25: 18.
 - archeological reconnaissances in 25: XIV sq., XXVI.
 - archeological remains of 34: 240-256.
 - field work in 21: IX, X.
 - geological change in 25: 219.
 - irrigation in 25: 51.
 - juegos de bola 25: 79.
 - natives of, described by early writers 34: 243 sq.
 - number of specimens from 34: 49.

Cuba—Continued

- prehistoric culture of 34: 242 *sqq.*
- stages of culture in 34: 240, 242, 247, 253 *sq.*, 255.
- visit of Dr. J. W. Fewkes in 25: 17.
- western, destitute of pottery 34: 60.
- writers on archeology of 34: 241, 245.

Cubans

- aboriginal art of 25: 142.
- cave dwellers 25: 41.
- description of cacique 25: 35.
- fishing of 25: 49.
- houses of 25: 46, 47.
- language of 25: 77, 78.
- physical characteristics of 25: 28–31.
- pictography of 25: 148.
- primitive culture of 25: 178 *sq.*
- relationship of, with Borinquenios 25: 26.
- skeletal remains of 25: 29, 30.
- slavery among 25: 25.
- use of tobacco among 25: 64.

Cubarro

- plum, eaten 38: § 247.
- plum, for flutes 38: § 559.

Cubas, Antonio G., on Cochiti 29: 439.

Cubero, Pedro Rodriguez, mention of 47: 28.

Cuch, meaning of 16: 247.

Cuchan

- population of the 7: 138.
- reference to the 28: 217.

Cuchpach, meaning of 16: 250, 261.

Cuchuans

- musical instruments of 26: 167.
- See also Yuma.*

Cuculcan (or Cuculkan). *See Quetzalcoatl.*

Cucumbers

- Menomini fondness for 14: 73.
- wild, mention of 33: 129.

Cucumis Melo Linn., Pima food plant 26: 77.

Cucumis sp. 45: 492.

Cucurbita Ficifolia 33: 119.

Cucurbita Foetidissima

- a life symbol 36: 135.
- a Pima food plant 26: 70, 91.

Cucurbita Lagenaria 33: 117.

Cucurbita Maxima, use of 44: 289, 307.

Cucurbita Moschata Duchesne, Pima food plant 26: 71.

Cucurbita Perennis

- a life symbol 36: 136.
- medicinal use of 27: 585.
- root of, called the Man Medicine 36: 70.

Cucurbitaceae

- mention of 33: 116.
- probable place of origin of 33: 59.

Cudgel for fish 38: § 190.

Cuernavaca, Mexico, remains at 26: XIV.

Cuervo, José Tienda de, campaign against Seri by 17: 75.

Cuervo y Valdés, Francisco, on Galisteo 29: 482.

Cueva de los Golondrinos, pottery found in 34: 172, 261 *sq.*

Cueva Pintada, petroglyph at 10: 98.

Cuetzpallin

- day symbol, discussion of 16: 226.
- meaning of 16: 227.

Cuimnapum, a Chāmnā'pūm synonym 14: 739.

Cuirana, description of 15: 268.

Cuirasses, uses of 45: 256, 359.

Cuitoa, a Pima-Papago village 26: 21.

Cuitz. *See Kutz.*

Cukuw, mention of 44: 35.

Culbertson Brothers, outlaws, account of 14: 889.

Culebra, island of 25: 26, 30.

Culee land cessions and reservations 18: 786.

Culiacan, San Miguel de

arrival of Cabeza de Vaca at 14: 474.

Coronado entertained at 14: 384.

Coronado's departure from 14: 552.

Coronado's return to 14: 538.

description of 14: 513.

foundation of, by Guzman 14: 473.

mention of 14: 547.

Culin, Dr. Stewart

acknowledgments to 20: 104; 29: 14.

contributor to Bureau 48: 1189.

Culin, Dr. Stewart—Continued

- material collected by 24: 53, 85,
92, 121, 122, 146, 158, 159, 162,
167, 169, 171, 172, 173, 184, 190,
198, 212, 222, 223, 224, 225, 230,
234, 239, 247, 264, 265, 266, 270,
306, 308, 311, 314, 315, 322, 361,
373, 382, 398, 408, 418, 419, 425,
441, 477, 478, 493, 500, 508, 510,
518, 522, 526, 530, 536, 553, 558,
561, 572, 604, 618, 623, 633, 635,
636, 641, 642, 644, 646, 647, 652,
654, 656, 662, 664, 668, 669, 679,
680, 704, 705, 711, 713, 714, 718,
720, 722, 727, 729, 731, 732, 733,
743, 744, 746, 749, 750, 757, 760,
761, 763, 771, 774, 777, 787, 795,
797, 800, 801.
monograph on Indian games by 23:
xxv.
obituary of 48: 1221.
on game of ghing-skoot 26: 175, 176.
on kicked stick game 29: 530.
reference to monograph by, on Ameri-
can Indian games 24: xxi,
xxxix sq..
study of games by 15: xxx, xxxiv,
xxxviii, xli, xliv, xlviii, lhi,
lxi, lxxxvi.
work of 25: xx; 26: xxiv; 27:
9.
work on Handbook of the Indians by
24: xxvi.
- Culinary Pottery.** *See Domestic
Pottery; Pottery.*
- Culleoka, Tenn.,** derivation of the
name 42: 851.
- Culpeper County,** steatite quarries in
15: 132.

Cult

- definition of 11: 361.
societies among the Sia 11: 69.
See also Cults.

Cult Groups

- definition of 47: 879.
table showing activities of 47:
880-885.

Cult of the Halves 19: 843-847.**Cult of the Quarters** 19: 845 sq.,
948 sqq.**Cult Societies**

- of the Menomini 14: 66.
pictographic devices of 10: 528 sqq.

Cultivation of ground regulated by
the Haŋga gens 3: 302.**Cults**

- a study of Siouan 11: 361.
a study of Siouan, discussion of 11:
xlili.
esoteric, of the Zuñi 47: 511.
See also Cult.

Cultural

- connections, Yukon Indians and
Eskimo 46: 83.
subdivisions, study of 42: 717,
724.
transmissions from Asia 46: 175.

Culture

- Acoma, discussion of 47: 140 sq.
four stages of 20: xci.
largely dependent on environment
25: 21.
mention of 46: 64, 82, 83.
of Pueblo tribes, degree of 8: 227.
processes of 19: xxi-xxv.
psychic stage of 23: xxii.
Pueblo, disintegration of 47: 56.
represented in pottery 4: 436.
stages of, in aboriginal society 21:
xxi.
value of pottery in study of 20:
18, 19, 20.
Western Eskimo 46: 363.

Culture Areas, discussion of 42:
713-717.**Culture Centers**

- ancient, in the Southwest 28: 157.
of the West Indies 34: 56, 268.

Culture Features of southern New
England tribes 43: 221 sqq.**Culture Groups**

- lack of correlation of stamped ware
with 20: 122.
represented by eastern United States
pottery 20: 20 sqq.
represented by Ohio Valley pottery
20: 182 sqq.

Culture Hero

- basketry taught by 41: 223.
brother of 40: 376.
myths concerning 43: 180-189.
of the Coeur d'Alène 45: 176.
of the Tewa 29: 164, 165 sq., 169.
of the Wawenock 43: 177.
references to 40: 37, 57, 364, 365,
366, 391.

- Culture Hero**—Continued
 relation of, to mortals 40: 57, 375, 473.
See also Wi'sa'kä'A'.
- Culture Stages**
 indicated by Atlantic Coast pottery 20: 33.
 indicated by Florida pottery 20: 117, 122.
 indicated by Lower Mississippi Valley pottery 20: 102 sq.
 indicated by Middle Mississippi Valley pottery 20: 82 sq.
 indicated by Northwestern pottery 20: 195.
 indicated by Ohio Valley pottery 20: 186.
 of northern and southern potters 20: 143.
 of pottery making 20: 24.
 value of decorating motives in determining 20: 122.
 value of pottery in determining 20: 22.
- Culture Status of the Indians** 15: 166.
- Culuacan.** *See* Culiacan.
- Culver Root**
 Cherokee lore concerning 19: 426.
 use of 44: 290.
See also Leptandra Virginica.
- Cuma Tree**, "milk" for glazing pottery 38: § 93.
- Cumanche**, synonym of Comanche 14: 1043.
- Cumanagoto Indians**, religious beliefs of 30: 118, 139.
- Cumarawa**, dart poison 38: § 120.
- Cumberland and Great Lakes Trail** 42: 802 sqq.
- Cumberland and Ohio Falls Trail** 42: 804.
- Cumberland Gap**
 named by Dr. Thomas Walker 42: 761.
 route from, to Crab Orchard 42: 796.
 route to, from Moccasin Gap 42: 793.
 trail through 42: 750-779.
 trail to 42: 770, 845.
- Cumberland River**
 ancient fortified town on 42: 836.
 discovery of 42: 781.
- Cumberland River**—Continued
 mention of 42: 44.
 named by Dr. Thomas Walker 42: 761, 781.
 remains of fortress on 41: 496.
 trails meeting at 42: 798.
- Cumberland Settlements**, raid on 19: 62-65.
- Cumberland Sound**, description of settlements of 6: 428-440.
- Cumberland Trace**
 remains of 42: 834.
 route followed by 42: 833 sq.
- Cumberland Valley**
 a populous Indian section 42: 806.
 abundance of pottery in 20: 23.
 pottery of 20: 81, 101, 138.
 quality of pottery of 20: 102.
 trail down 42: 834.
- Cumhu** symbol in the codices 16: 228.
- Cumming, Sir Alexander.**
 mission of, to Cherokee 19: 35.
 treaty concluded by 18: 629.
 treaty with Cherokee 5: 144, 145.
- Cummings, David**, information obtained from 42: 217, 524, 531, 550.
- Cummings, Pierce**, killed at Wounded Knee 14: 872.
- Cuna (Panama)**, method of forming numbers 19: 917.
- Cuna**, fish poison 38: § 209.
- Cunama Oil** 38: § 25.
- Cunas**, name for Tule Indians 42: 10.
- Cunningham, Charles W.**, petroglyphs reported by 10: 356 sq.
- Cunningham, K. M.**, bowls in collection of 20: 112 sq.
- Cunningham, S. P.**, aboriginal remains on farm of 44: 527.
- Cunningham Estate**, specimens from 34: 164.
- Cunningham's Island, Lake Erie**, petroglyphs on 10: 678.
- Cunnington, —**, aid rendered by 17 13.
- Cuñopavi**, Snake ceremony at 16: 273, 287 sqq.
- Cuoq, Père J. A.**
 definitions by, in racket, Mohawk 24: 592 sq.

Cuoq, Père J. A.—Continued

definitions by, in racket, Nipissing
24: 570.

interprets the name Hiawatha 2:
54.

on dice game, Nipissing 24: 81.

on hidden ball, Nipissing 24: 344.

on ring and pin, Nipissing 24: 540.

reference to work of 40: 28.

Cup and Ball Game

among the Central Eskimo 24:
546, 547, 548.

among the Northern Indians 11:
255, 323.

among the Winnebago 37: 122.

comparison of, with ring and pin
24: 527.

Cup Plant

mention of 33: 132.

use of 44: 293.

See also Silphium Perfoliatum.

Cup Sculptures

classification of 10: 189–192.

mention of 10: 189–200.

Cup-shaped Baskets

coils of 41: 164.

terms for 41: 397.

use of 41: 201, 202.

Cupana

a Guiana Indian drink 38: § 267.

for fever and dysentery 38: § 927.

**Cupped Stones, description of 13:
91.****Cups**

Apalachee-Ohio pottery 20: 182.

collection of Indian 3: 545.

Florida Peninsula pottery 20: 118,
127.

from Kintiel, description and figure
of 22, i: 133.

from Sikyatki, description of 17:
654.

from ruined pueblos on Little Colo-
rado River 22, i:

cuts showing 64, 65, 66, 96.

forms of 65 sq.

Gulf Coast pottery 20: 105, 107.

Iroquoian pottery 20: 161.

Kaolin, from Chaves Pass ruin, cut
showing 22, i: 96.

made of ironstone concretions 44:
93 sq.

mention of 4: 349.

Cups—Continued

Middle Mississippi Valley pottery
20: 87 sqq., 94.

Northwestern pottery 20: 196.

of clay, from Walpi 2: 382.

of the Eskimo 9: 101.

of the Seri 17: 185* sq.

or cup-shaped clay vessels from Zuni
2: 350.

pecked in rock 16: 138.

scraper, for dressing skins 9: 299
sq.

South Appalachian pottery 20: 138.

See also Dippers; Mugs; Pottery.

Curare

a poison 38: § 121, 122, 716.

antidotes for 38: § 930.

article of trade 38: § 825.

nature of 30: 285.

preparation of 30: 292, 303, 304,
343.

Cura'tca, fires lighted by 47: 94 sqq.

Curatella Americana

for "puddling" fish 38: § 207.

leaves, use of, as sandpaper 38:
§ 21.

Curbinata Fish, stones from 30:
371.

Cure for all bodily injuries, Iroquois
myth 2: 73.

Curia. *See Fraternity.*

Curing

by exorcism 47: 312 sq.

by shaman 47: 791 sq.

by tricks, symbolism of 47: 532.

type ceremony of 47: 339 sq.

*See also Curing Ceremonies; Cur-
ing Societies; Medicine; Sick-
ness.*

Curing and Drying

wild rice 19: 1064 sqq.

wild rice, mechanical means em-
ployed in 19: 1066.

wild rice, reasons for 19: 1064.

Curing ceremonies, description of
47: 107–111, 116–122, 531 sq., 533.

Curing Societies

membership in 47: 542.

See also Medicine Societies.

Curing Spirit of the Tlingit 26: 465.

Curious Mourning Observances of
the ancients 1: 165, 166.

Curling among the Eskimos 11: 257.

Curr, E. M.

- on Australian counting 19: 877.
- on Australian number concepts 19: 833 *sq.*

Currahee Dick, establishment of mission at instance of 19: 108.

Currants

- beliefs regarding 35: 575.
- cakes of 35: 275-281, 572.
- custom concerning 35: 616.
- effect of 35: 576.
- mashed, with salal-berries 35: 577.
- mention of 35: 601.
- picking of 35: 208.
- raw 35: 575.
- red-flowered, use of 45: 487.
- used for food 30: 70.

Currants, Black

- belief concerning 45: 509.
- food of bears 45: 514, 515.
- use of 45: 489.

Currants, Red, use of 44: 292, 307, 348, 358.

Currants, Wild

- found by Coronado 14: 510.
- use of 44: 292, 356.

Currants, Wild Black 33: 84.

Currents of Seri waters 17: 45 *sqq.*

Currie Brothers, on present sale of wild rice to whites in Wisconsin 19: 1105.

Currin, R. P., lease of land to 18: 753.

Curry, Benjamin F., to appraise Cherokee improvements 5: 283.

Cursing, methods of 30: 128, 332.

Curtains for Mosquitoes 38: § 933.

Curtin, Jeremiah

- acknowledgments to 7: 142.
- Chimarikan researches of 7: 63.
- contributor to Bureau 48: 1189.
- Costanoan researches of 7: 70.
- field notes of, unrevised and unedited 32: 49.
- legends and myths, analysis of 32: 52.
- linguistic field work of 6: xxxvii, xxxviii.
- material collected by 36: 30.
- Moquelumnan researches of 7: 93.
- myths and tales, conclusions concerning 32: 53.
- myths given by 19: 359-364, 365-370, 473, 489.
- obituary of 48: 1221.
- on double ball, Wintun 24: 658.

Curtin, Jeremiah—Continued

- papers by 39: 24; 40: 17.
- records made by 32: 48.
- reference to work of 32: 51.
- Seneca material collected by 37: 11, 27.
- work of 5: xxxi, xxxvii; 7: xxx; 9: xxxvii; 10: xvi *sq.*, xix; 11: xxix, xxxiii.
- Yuman researches of 7: 135.

Curtin, William E., pottery, etc., from Peru presented by 8: xxvi.

Curtis, Doctor —, shell gorgets collected by 2: 283.

Curtis, Edward S.

- on Acoma 29: 544.
- on Cochiti 29: 440.
- on Isleta 29: 529.
- on Jemez 29: 402.
- on Laguna 29: 540.
- on San Felipe 29: 499.
- on San Ildefonso 29: 305.
- on San Juan 29: 213.
- on Sandia 29: 526.
- on Santa Clara 29: 242.
- on Santo Domingo 29: 449.
- on Sia 29: 519.
- on Taos 29: 519.

Curtis, William E.

- on Cochiti 29: 439.
- on Jemez 29: 403.
- on Picuris 29: 193.
- on Pojoaque 29: 335.
- on San Ildefonso 29: 305.
- on Taos 29: 183.

Curtis Act, effect of 19: 156.

Curtis Plantation, mound on 44: 407.

Curtiss, E., exploration by 1: 115, 116.

Curupari. *See* Jurupari.

Curved Forms 4: 375.

Curved-line Ornament

- absence of, Northern pottery 20: 145, 151, 163, 187.

See also Decoration; Scroll.

Curved Sticks, use of, by girls in hair-dressing 21: 62.

Curved Stones 25: 93, 258.

Curvilinear Incisions in primitive trephining 16: 55.

Cusabo, mention of 42: 697.

Cusaboe Indians, grant of land to 18: 633.

Cuscuta Paradoxa 33: 110.

Cushatta

mention of 19: 499.

See also **Koasati**.

Cush-eh-tah Clan, separation of,
from tribe 44: 175.

Cushing, Frank Hamilton

account of the life of 21: xxxv-
xxxviii.

acknowledgments to 15: 18; 17:
20; 24: 29.

allusion by, to Casa Grande 13:
297.

archeologic researches of 21: xiii,
xviii.

cited on Zuñi customs 11: 369.

cited on Zuñi drinking tubes 9: 494.

cited on Zuñi Indians 9: 452.

cited on Zuñi water vessels 9: 494.

collection made by 21: xiv.

contributor to Bureau 48: 1189.

death of 21: xxxv.

description of the Zuñi by 3: 106.

excavation at Halona by 8: 88, 193.

field work of 21: x.

Halona identified as one of the Seven
Cities of Cibola by 8: 94.

head of Hemenway Southwestern
Expedition 28: 119.

identifies K'iakima as scene of death
of Estevanico 8: 86.

illustrations from, showing Pueblo
use of baskets in molding and
modeling 20: 69.

implements for games, made by 24:
222, 719, 721.

information furnished by 24: 169,
799.

investigations of, in Zuñi 23: xlv.

Kintiel ruin discovered by 22, i:
124.

material furnished by 24: 799.

material identified by 24: 427, 667.

mention of 41: 101.

model of Zuñi altar by 19: xlviii.

myth recorded by 47: 547.

obituary of 48: 1221.

office work of 6: xlvi; 20: xii
sq., xiv.

on Acus, Totonteac and Marata
14: 357.

on affinity of cliff dwellers and
Pueblos 17: 532.

on American Indian games in general
24: 29, 809.

Cushing, Frank Hamilton—Contd.

on archery, Kiowa 24: 388.

on arrow shaftment 24: 228.

on cardinal points in Zuñi cere-
monies 16: 257.

on ceremonial fire 16: 190.

on ceremonial renewal of kivas 16:
177.

on cliff ruins 16: 153.

on depressed structures in Arizona
13: 245.

on derivation of "Zuñi" 7: 138.

on development of bow 17: 201*.

on dice games, Zuñi 24: 47, 77,
210-217, 221 sq., 223.

on divinatory origin of Indian games
24: 34 sq.

on former occupancy of Kintiel 8:
92.

on Galisko 29: 481.

on hidden ball 24: 44, 374-381.

on Indian burials 14: 518.

on Indian fruit preserves 14: 487.

on influence of environment on art
20: 159.

on irrigation, Salt River Valley
29: 114 sq.

on kicked-stick game 29: 530.

on Laguna 29: 335.

on manufacture of Iroquoian pottery
20: 161, 163.

on markings of kiva hatchway 16:
180.

on meaning of calumet-tomahawk
17: 168*.

on name "Cibola" 26: 24.

on origin of stamp decoration 20:
123.

on ornament of Iroquoian pottery
20: 163.

on Pojoaque 29: 335.

on prehistoric Cubans and Floridians
25: 216.

on primitive surgery 16: 71.

on Pueblo number figures 19: 840.

on quinary system 19: 850.

on ring and pin, Zuñi 24: 529.

on Sandia 29: 526.

on scarred skulls 16: 65.

on southern origin of Zuñi clans 17:
574.

on southwestern sun temples 13:
305.

on stages of technique 17: 250*.

Cushing, Frank Hamilton—Contd.

- on stones and crystals from Salt River Valley 26: 111.
- on Taos 29: 182.
- on Zuñi baptism 26: 187.
- on Zuñi cardinal points, colors for 19: 835.
- on Zuñi color symbolism 15: 308.
- on Zuñi creation myths 13: LIX, 321-447.
- on Zuñi esoteric societies 15: 310.
- on Zuñi fetishes 3: 591.
- on Zuñi folklore 26: 24.
- on Zuñi games 24: 126.
- on Zuñi Káká 15: 265.
- on Zuñi marriage customs 17: 286*.
- on Zuñi month names 29: 62.
- on Zuñi name for Rio Grande 28: 101.
- on Zuñi netted shield 24: 423.
- on Zuñi numeration 19: 838.
- on Zuñi sacrifice of dog 15: 303.
- on Zuñi Shalako 15: 296.
- on Zuñi tradition concerning stone-close 8: 192.
- on Zuñi war-gods 24: 33, 211.
- operations of 13: XXVI, XXIX, XXXVIII.
- opinion of, concerning distribution of Tâaaiyalana ruins 8: 89 *sq.*
- opinion of, concerning western wall of Halona 8: 89.
- pottery collected by, Florida Peninsula 20: 126, 127 *sq.*
- preparation of field catalogue of Zuñi collection by 3: 517.
- preparation of memoir by 15: XLI.
- publication of memoir of 17: LVII.
- quarry group arranged by 15: 150.
- references to 28: 46, 70, 71, 112; 32: 51.
- researches by 16: XX, XXIV, XXVIII, XXXI, XXXVII, XXXIX, XLI, XLIV, XLIX, LII, LVI, LXXV; 28: 72.
- ruins visited by 17: 534.
- steatite quarry excavated by 15: 107, 117, 132.
- studies of, in American Indian symbolism 20: 100.
- study of Indian games by 23: xxv.
- study of Pueblo pottery as illustrative of Zuñi culture growth 4: 461, 521.

Cushing, Frank Hamilton—Contd.

- study of religious fraternities and cults by 19: XLVII.
- vase restored by 20: 126.
- work of 2: XXVI, 311; 3: XVIII, XIX; 5: XXV, XXIX, XXXIII, XXXV; 7: XXXI; 8: XXIV, XXV; 14: XXXVI, XLIV; 15: XXII, XXIV, XXVII, XXX, XXXIV, XXXVII, XLVI, XLVIII, LII, LVI, LXI, LXIV, LXVI, LXVII, LXXXVI, XCI, C; 17: XLVI *sqq.*, LV; 18: XXVII, XXX *sq.*, XXXIV *sqq.*, XLIV; 19: XIX; 24: XXXIX.
- work of, in Florida archeology 20: 115, 126, 127 *sq.*
- work of, in Iroquoian archeology 20: 159.
- work of, in mound exploration 20: 16.
- work of, reference to 11: xxvii.
- writings of, publication of, on Zuñi 23: XLV.
- Zuñi fetishes 2: 145.
- Zuñi sand painting described by 10: 210 *sq.*
- Cushman, H. B.**, an American missionary, value of writings of 42: 680.
- Cushna Tribe** 7: 99.
- Cusick**
 - on Iroquoian 19: 189.
 - on Iroquois myths 19: 229, 444, 469, 501.
- Cuskahimû**, ceremonial day of Hopi festivals 21: 20.
- Cussetah** (**Cussetaws**; **Cussetuh**).
See Kasihta.
- Cussetuh** **Tus-tun-nug-gee**, warrior of the nation 42: 328.
- Cussitaw King**, Kasinta chief 42: 322.
- Custala**, ceremonial day of Hopi festivals 21: 20.
- Custard Apple** 38: § 247.
- Custer, Gen. G. A.**
 - campaign against Cheyenne by 17: 326.
 - campaigns against Indians by, in 1868 17: 145, 187.
 - capture of Set-t'aiñte by 17: 206.
- Custer Massacre**
 - and Wounded Knee affair compared 14: 881.
 - reference to 14: 825, 860, 1059.

Custer War

Cheyenne in the 14: 1025.

Sioux compensated for losses in 14: 891.

Customs in general. *See* **Family Organization; Facial Decoration; Fasting; Feasts; Menstruation; Puberty; etc.;** names of different tribes.

Cut-stone Utensils, description of 15: 105.

Cut-with-an-Ax, sign for 1: 550.

Cuthegun Rock, tradition concerning 43: 259.

Cutifachiqui

of De Soto's chroniclers, supposed site of 12: 317.

visit of De Soto to 5: 135.

Cutimiti, the head war chief 47: 45.

Cutlass for fish chopping 38: § 190.

Cutsahnim, a Yā'kimā synonym 14: 737.

Cuttako, a Kiowa Apache synonym 17: 245.

Cuttawa. *See* **Kitu'hwagi; Synonymy.**

Cutting-board for fish 35: 225, 249.

Cutting Fingers

hair 38: § 516.

string figures 38: § 708 *sqq.*

Cutting of Banks 46: 136.

Cutting Tools 46: 144.

Cutz. *See* **Kutz.**

Cuya, calabash drinking cup 38: § 384.

Cuyacan, Andres de, Indian ally of Coronado 14: 536.

Cuyahoga County, Ohio, rock carving in 4: 21.

Cuyamunque, collection from 2: 435.

Cuzco

the center of Inca dominion 13: 325.

trephined crania from 16: 14, 15.

Cycle, Great. *See* **Great Cycle.**

Cycle in Mayan Chronology

numerical value of 22, i: 204, 234.

symbol for, character of 22, i: 222.

Cycle in Mayan Chronology—Con.

symbol for, figures showing 22, i: 268.

Cycle of Years

meaning of term 19: 705.

symbol for, discovery concerning, by Goodman 19: 712.

Cycles

Mayan, working table of 19: 819.

of time among Indians 14: 701.

Cyclopedia: or a New Universal

Dictionary of Arts and Sciences on popular synonym for wild rice 19: 1022.

on wild rice planted in England 19: 1037.

Cyclopedia of Indian Tribes

mention of 16: LI, LVI, LXIX, LXXII; 21: XI, XXIII, XXXII.

progress of work on 22, i: XXXVII.

work on 18: XLV *sq.*; 19: XXVIII *sq.*; 20: XXIV.

See also **Synonymy.**

Cylinder

baskets and similar objects 38: § 422, 437.

for fish fall traps 38: § 198.

wooden, for music 38: § 576.

Cylinders

found in Pueblo ruins, problematic use of 22, i: 96 *sq.*

made of clay 34: 235 *sq.*

made of shell 34: 163.

mortuary pottery, Florida Peninsula 20: 124.

Cynthiana, Ky., trail near 42: 792.

Cyperaceae 33: 69.

Cyprea Shells

used as beads 2: 219.

used as ornaments 2: 263.

Cypress Swamps, Florida 5: 527 *sqq.*

Cyprinodon Macularius, Gila fish 26: 83.

Cypripedium Hirsutum

medicinal constituents of 44: 304.

medicinal properties of 44: 300.

use of 44: 289, 342, 348.

Cypripedium Parvifolium 45: 506.

Cytherea Bulbosa 45: 506.

C

Çatada Gens

- discussion of the 3: 236-241.
 Le-da-it'aji subgens 3: 239 *sq.*
 Le-da-it'aji subgens, birthnames 3: 240.
 Le-da-it'aji subgens, sections 3: 240.
 Turtle subgens 3: 240 *sq.*
 Turtle subgens, birthnames 3: 240.
 Turtle subgens, customs during a fog 3: 240.
 Turtle subgens, decoration of tents 3: 240.
 Turtle subgens, sections 3: 240.
 Turtle subgens, style of wearing the hair 3: 240.
 Turtle subgens, Turtle men 3: 240.
 Wajiŋga çataji subgens 3: 238 *sq.*
 Wajiŋga çataji subgens, birthnames 3: 239.
 Wajiŋga çataji subgens, curious customs 3: 238.
 Wajiŋga çataji subgens, names 3: 239.
 Wajiŋga çataji subgens, sections and subsections 3: 239.
 Wajiŋga çataji subgens, style of wearing the hair 3: 238.
 Wasabe Hit'aji subgens 3: 236 *sqq.*
 Wasabe Hit'aji subgens, birthnames 3: 237.
 Wasabe Hit'aji subgens, mythical origin 3: 237.
 Wasabe Hit'aji subgens, style of wearing the hair 3: 237.
 Wasabe Hit'aji subgens, taboo 3: 237.

Çegiha

- divisions of the 15: 161, 189.
 fire-making of the 13: 279.
 history of the 15: 191.
 migrations of the 15: 198.

Çegiha-English Dictionary

- manuscript of 29: 23.
 mention of 6: XLVIII.

Çegiha Indians, researches concerning 11: XXXII.**Çegiha Language**, work on the, by J. Owen Dorsey, discussion of 2: xx.**Çegiha Tribes**, early migrations of 3: 211 *sqq.*

95719°—33—19

D

Dabchick, myths concerning 11: 496.**Dablon, Claude**

- on duck in Green Bay 19: 1099.
 on nature of Green Bay area as Indian habitat 19: 1112.
 on wild rice eaten with grease by Maskotin 19: 1085.

Dabralib, lamina used in cotton-hammock making 38: § 466.**Dabucuri Whip** 38: § 584, 840.**Dachenhhausen, F. W. von**

- acknowledgments to 15: 18.
 collections of 15: 125.

Daddy-long-legs Clan

- affiliations of 42: 122.
 native names for 42: 116.

Dagger-type of Club 38: § 154.**Dagger Weed** 33: 71.**Daggers**

- of bone of the Eskimo 9: 191 *sq.*
 yellow flint, from house circle 41: 521.

*See also Knives.***Dágoi**, bravery of 17: 303.**Dagûl'kû Geese**, myths concerning 19: 254 *sq.*, 284, 439.**Dagwanoenyent**. *See Whirlwind People.***Dahcotah**, or Life and Legend of the Sioux around Fort Snelling, cited 4: 184, 189, 195, 241.**Dahcotas**

- habitat of the divisions of 7: 111.

*See also Dakota.***Dahlongega**, establishment of mint at 19: 220.**Dähnhardt**, —, myth recorded by 42: 483.**Daho**, delegate to Washington in 1872 17: 192, 252.**Dahpike**, description of the 11: 503.**Dai-dai**, description of 30: 171, 176.**Daiha Tree**, clothing made from 30: 216.**Daimonism** of the Sioux Indians 11: 433, 515.**Daïs** of kivas 8: 121, 122, 123.**Dakamballi Seeds**, substitute for cassava 38: § 241.**Dakhnias** 1: 104.**Dakini Indians**, treatment of diseases by 30: 346.

Dakini Tree, spirits associated with the
30: 228, 232.

Dakota

a synonym of the Sioux 14: 1057.
albino buffalo sacred among 27: 284.
amounts of wild rice harvested by 19: 1076.
and Ojibwa warfare 19: 1038-1042
arrows of the 13: 325.
attacks on Iowa and Omaha by 27: 86.
beheading by the 17: 160.
beliefs of the 11: 432.
calendars of the 17: 142.
chronology of the 17: 371.
cults, description of 11: 431.
curing of wild rice by the 19: 1064, 1065.
definition of the 4: 97.
discovery and occupation of Black Hills by 17: 155, 157.
drowned in flood of Missouri River 4: 113.
earliest historic reference to the 19: 1043.
explorations in 11: XLIII.
games of the 24:
 archery 394.
 hidden ball 339, 364 *sq.*
 hoop and pole 412, 517.
 racket 592.
 shuffleboard 728.
 snow-snake 419.
 tops 747.
geographic location of 14: 826.
hunting ground of the 27: 89.
Kiowa first acquaintance with the 17: 153.
Kiowa hostility to 17: 156, 157, 160.
Kiowa intercourse with 17: 281.
Kiowa name of the 17: 281.
last war of, to retain wild rice fields 19: 1041.
meal time of the 19: 1087.
myths of the 19: 432.
name applied by, to Americans 27: 611.
non-agricultural character of 14: 838.
notched sticks of the 4: 81.
organization of the 6: 396.

Dakota—Continued

peace mission of, to Kiowa 17: 167.
peculiar wild rice feast of 19: 1092.
pictographs of 4: 55, 60, 183.
picture message of Fort Rice 4: 98.
pipe-stone quarries of 4: 17.
planned uprising by the 17: 176.
population and divisions of the 7: 116.
population of, consuming wild rice 19: 1045, 1047, 1057.
property right in wild rice 19: 1073.
smallpox among the 17: 275, 311.
societies introduced from 27: 486.
storing of wild rice by 19: 1072.
studies of the 3: xxv.
thrashing of wild rice by, by treading and rubbing 19: 1069.
time symbols of 4: 88.
time of year when wild rice is consumed by 19: 1087.
totems of the 4: 167.
treaty council with the 17: 183
treaty of 1868 4: 125.
tribal and family sense of name 7: 112.
tribal history, migrations and settlement of 19: 1043-1047.
tube for bleeding used by 13: 127.
tying of wild rice by 19: 1058.
use of flints for bleeding by 13: 171.
visit to Kiowa by 17: 352.
war with, in 1866 17: 183.
war with Rees 4: 111.
wild rice consumed by 19: 1083.
wild rice gathered by 19: 1061, 1062.
wild rice moons of 19: 1090.
Winter Counts 4: 18, 89-127, 168.
See also **Dakota Indians**; etc.; **Sioux**.
Dakota (or Sioux) Indian
and Mandan hostility 15: 196.
ball game of the 14: 129.
Battiste Good's record of 10: 293-328.
burial scaffolds of 10: 518 *sq.*
ceremonial colors of 10: 512.
commemoration of dead by 10: 523.

Dakota (or Sioux) Indian—Con.

- composite forms in pictographs of
10: 735 *sq.*
- connection of, with Northwestern
pottery 20: 187.
- conventional devices of, for peace,
war, chief, counsel, plenty of
food, famine, starvation, horses,
horse-stealing, kill and death, shot
10: 650-661.
- description of the 15: 215.
- devices of, for personal names 10:
442 *sq.*, 459 *sq.*
- distinctive dress, ornaments and
weapons of 10: 751 *sqq.*
- divisions of the 7: 114; 15: 160.
- drawings of 10: 756.
- dye stuffs used by 10: 220.
- fetishes of 10: 501, 503.
- games of 10: 547.
- gentile designations of 10: 389 *sq.*
- god Hoakah of 10: 479 *sq.*
- gods of 10: 32 *sq.*
- history of the 15: 189.
- ideographic records by 10: 585-
605.
- information from, regarding Hako
ceremony among the Pawnees
22, ii: 13.
- monograph on language of the
14: XL.
- mounds attributed to 14: 38.
- mourning ceremony of 10: 629.
- mythic records of 10: 290-293.
- notched sticks used by, for recording
time 10: 227.
- Ojibwa name for 10: 272.
- painted robes of 10: 747.
- pictographs for gesture signs of 10:
639 *sqq.*
- pictographs of, connected with
thunder-bird myth 10: 486.
- pictographs of, relating to customs,
hunting, war, etc 10: 534-537,
539 *sq.*
- poisoned arrows used by the 14:
285.
- recent manufacture of pottery by
20: 195.
- records in general by 10: 576,
578-581.
- records of expeditions by 10: 552
sqq.
- records of notable events by 10:
567-570.

Dakota (or Sioux) Indian—Con.

- shamanism or medicine-making of
10: 493 *sqq.*
- significant use of color by various
tribes of 10: 633 *sq.*
- social customs of the 15: 221.
- superstitions of, regarding tattoo
10: 395.
- system of chronology of 10: 265.
- system of ordination of the 15: 177.
- thunder-birds of 10: 483 *sqq.*
- topographic representation by 10:
344 *sq.*
- tribal designations of 10: 383
- war color of 10: 631.

See also Dakota.

Dakota, Brulé

- games of the 24:
- dice games 179.
- ring and pin 556.

Dakota, Oglala

- games of the 24:
- archery 383, 391 *sq.*
- bull-roarer 750.
- buzz 756.
- dice games 179.
- hidden ball 364 *sq.*
- hoop and pole 421, 430, 431, 433
 sqq., 503-507.
- popgun 759.
- ring and pin 529, 556.
- shinny 637 *sq.*
- sledding 716.
- snow-snake 415 *sq.*
- stick games 228 *sq.*
- tops 733, 745 *sq.*
- mythology of the. 24: 507.

Dakota, Santee

- games of the 24:
- dice games 180 *sq.*
- double ball 663.
- hidden ball 365.
- racket 562, 563, 611-614.

Dakota, Sisseton, dice games of the

24: 183.

Dakota, Teton

- games of the 24:
- archery 383, 392.
- bull-roarer 750.
- buzz 757.
- dice games 181.
- hoop and pole 508.
- minor amusements 750 *sq.*
- popgun 759.
- ring and pin 557.

Dakota, Teton—Continued

- games of the 24—continued
- shinny 638 *sq.*
- shuffleboard 728.
- snow-snake 416 *sqq.*
- stick games 258.
- swing 731.
- tipcat 721.
- tops 746.
- unclassified 783.

Dakota, Wahpeton, dice games of the 24: 183.**Dakota, Yankton**

- games of the 24:
 - dice games 184.
 - hand game 267, 317.
 - hoop and pole 431, 508 *sqq.*
 - hidden ball 317 *sq.*
 - minor amusements 716.
 - shinny 639 *sqq.*
 - shuffleboard 728 *sq.*
 - snow-snake 418 *sq.*
 - tops 746.

Dakota, Yanktonai, racket game of 24: 614.**Dakota Calendar**

- mention of 1: 373, 377, 382, 384.
- tribal signs for 1: 284, 287.

Dakota County, Nebr., reference to 27: 99, 100, 623.**Dakota Dialects**

- words of, found in Osage rituals 39: 186, 187.

See also **Dakota Language**.

Dakota Dictionary, necessity for revision of 34: 21.**Dakota Language**

- discussion of work on, by S. R. Riggs 2: xxi.
- grammar of the 26: xviii, xxi.
- translation made from Teton dialect of 10: xix.
- work on 10: xix; 11: xxxi.

Dakota Tribe, data on scalp and war dances of 40: 548.**Dakotan District**

- archeology of the 12: 530–540.
- boulder mosaics of 12: 531, 534.
- burial mounds of 12: 538.
- connected mounds of 12: 536.
- effigy mounds of 12: 530, 533.
- elongate mounds of 12: 533, 535.
- limits and characteristics of 12: 530.

Dakotan District—Continued

- rows of conical mounds in 12: 537.
- Dǎkwǎ'**, myths concerning 19: 307, 320 *sq.*, 469.
- Dale, L.**, on use of perforated stones 13: 98.
- Dale, Sir Thomas**, loan of corn to Indians by 18: 564.
- Dalgarno, George**
 - gestures real writing 1: 355.
 - works of 1: 284, 287.
- Dalibanna, *Geonoma baculifera***, thatch 38: § 299, 321.
- Dall, Dr. William H.**
 - acknowledgments to 9: 20.
 - cited 12: 522, 565, 620, 724, 727; 46: 89, 124, 127, 128, 130, 132, 133, 150, 151, 152, 162, 165, 181, 216, 218, 219, 221, 232, 233, 234, 254, 255, 329, 330, 333, 336, 368.
 - collection of labrets by 3: 91.
 - collection of masks by 3: 128, 142.
 - contributor to Bureau 48: 1189.
 - description of Eskimo houses by 9: 76, 78.
 - Eskimo researches of 7: 73.
 - ethnological specimens collected by 18: 46, 47, 73, 75, 83, 88, 108, 121, 147, 148, 155, 158, 182, 211, 226, 278.
 - exploration in Alaska of 46: 29.
 - exploration in Aleutian Islands of 46: 32.
 - linguistic literature of 7: 21, 22, 24.
 - material collected by 24: 740, 793.
 - obituary of 48: 1221
 - on Asiatic Eskimo 7: 74.
 - on burial boxes 1: 156.
 - on cave burial 1: 129.
 - on colors used in Alaska 4: 51.
 - on customs of Eskimo whale fishing 9: 274.
 - on Eskimo clothing 9: 125.
 - on Eskimo dance 9: 376.
 - on Eskimo fire-making 9: 290.
 - on Eskimo fishing 9: 286.
 - on Eskimo habitat 7: 53.
 - on Eskimo labrets 9: 143, 144, 145, 146, 148, 495.
 - on Eskimo masks 9: 370.
 - on Eskimo mortuary customs 9: 424, 425, 427.
 - on Eskimo music 9: 389.
 - on Eskimo personal habits 9: 421.

Dall, Dr. William H.—Continued
 on Eskimo seal nets 9: 252.
 on Eskimo sledges 9: 357.
 on Eskimo snowshoes 9: 352.
 on Eskimo umiak 9: 344.
 on masks and labrets 3: 70-201.
 on mound-builders 12: 600.
 on mummies 1: 134.
 on population of Alaskan Eskimo 7: 75.
 on the conch shell (*Pyrula*) 2: 143.
 on use of pins 2: 217.
 painted burials described by 46: 64.
 shells identified by 2: 190.
 work of 26: xxiv.
 works consulted 9: 21.
Dalles of Columbia River, Oregon,
 petroglyphs in the 4: 25.
Dalles Indian
 a Wasco synonym 14: 741.
 games of the 24:
 dice games 158.
 hand game 307.
Dalottiwa, reference to 40: 295.
Dalrymple, Doctor —, modern Pa-
 munkey pottery collected by 20:
 152.
Dalton, Captain —, on Menomini war-
 riors in the Revolution 14: 18.
Damara, burial of the 1: 126.
Dampier, W., description of labrets
 by 3: 83.
Dams for trapping fish 38: § 202.
Dan Valley, character of ware of 20:
 149.
Dana, —, on the divisions of the Sac-
 ramento tribes 7: 99.
Dana, A. L., vessel collected by 20:
 166.
Dance, C. D.
 cited 30: 132, 135, 145, 155, 177,
 178, 181, 187, 193, 197, 229, 230,
 232, 233, 236, 251, 260, 261, 262,
 268, 274, 277, 280, 282, 289, 290,
 322, 324, 328, 329, 331, 338, 340,
 341, 343, 345, 346, 354, 356, 357,
 358, 359.
 on child spirits 30: 324 sq.
Dance
 Ākita 42: 524, 528.
 Alaskan 3: 123, 139.
 Alligator 42: 524, 530.
 Bear 42: 523, 524, 527.
 Beaver 42: 523, 534.

Dance—Continued
 Bed 42: 524, 529.
 Begging 3: 355; 35: 856.
 Berry, of Northern Indians 14: 728.
 Bird 35: 876, 877.
 Bimitti 38: § 587.
 Bison 42: 523, 524, 527, 573.
 Blackbird 42: 524, 529.
 Bone 42: 524, 531.
 Buffalo 3: 347.
 Buffalo head-dress 3: 352.
 Buzzard 42: 523, 534.
 Calumet 3: 276-282.
 Catfish 42: 523, 534.
 ceremonial 11: xxviii, 378, 393,
 440, 450, 463, 503, 513, 526.
 ceremonial Hako, before departure
 22, ii: 184.
 ceremony in kiva consecration 8:
 130.
 Chicken 42: 523, 524, 530, 531.
 chief fool 35: 966.
 chieftainness 35: 1148.
 characters of 19: lxxvii sq.
 Chigoe 42: 534.
 Corn 42: 534.
 Cow 42: 534.
 Crane 42: 523, 534.
 Crow 42: 533 sq.
 double-headed 42: 524, 532.
 double-headed serpent 35: 959,
 1085.
 Dog 35: 895.
 dress 3: 344, 348.
 drink, debauchery 38: § 583.
 Duck 42: 523, 524, 529, 530.
 Dumpling 42: 567, 606, 610.
 Eagle 35: 1004.
 false-face 3: 145.
 Feather 42: 586, 607, 609.
 Fire 35: 738, 739.
 Fish 42: 524.
 fool 35: 1374.
 for the dead 1: 192.
 Fox 42: 523, 524, 528.
 friend's 42: 524, 533.
 friendship, introduced by Pa'thěské
 14: 700.
 Frog 35: 928, 935, 959.
 Garfish 42: 523, 531 sq.
 Ghost 3: 353.
 Great Bear 35: 1086.
 Great, from above 35: 1085.
 Great Fool 35: 1086.

Dance—Continued

- Green Corn 42: 554.
 Grizzly Bear 3: 349.
 Hair 42: 534.
 Hako 22, ii: 253, 360.
 Hako, of thanks, diagram and positions in 22, ii: 248.
 Hako, performance of 22, ii: 247–256, 360.
 Hako, selection of dancers for 22, ii: 58.
 Hauyari 38: § 847.
 healing 35: 876, 877, 1148.
 Heꞓucka 3: 330.
 Hede-watei 3: 297.
 Hekana 3: 353.
 Heniha 42: 603.
 Hewatei 3: 331.
 Horned-owl 42: 523, 524, 525 *sq.*
 Horse 3: 348; 42: 523, 524, 530.
 Hōꞓ^uhok^a 35: 1374.
 implements 3: 582.
 in the ceremony of Hasjelti Dailjis 8: 273 *sqq.*
 inclosure of the Dreamers 14: 158, 159.
 influence of, on development of music and drama 19: LXXI, LXXX.
 Iroquois 3: 145.
 Kinia 42: 524, 528.
 Land-otter 35: 1034.
 Little Screech-owl 42: 549.
 Long 42: 566, 610.
 Makah Dukwalli 3: 108.
 Make-no-fight 3: 352.
 Makuari 38: § 842, 843.
 Mandan 3: 332, 354.
 mortuary, of Northwestern Indians 14: 728.
 Mosquito 35: 1034; 42: 523, 534.
 Mouse 35: 1018.
 myths concerning 19: 254, 274, 279.
 Nōlem 35: 834.
 Nōnlem 35: 1034–1037.
 of Arapaho warrior order 14: 987.
 of attendants of chief 35: 767, 773.
 of chief's daughter 35: 754, 759, 766, 767, 772, 979, 995, 998.
 of chief's relatives 35: 759 *sq.*
 of Itei yohola 42: 566, 567.
 of Saint John, account of 14: 935.
 of princess 35: 1026, 1049 *sq.*

Dance—Continued

- of the Dervishes 14: 950.
 of the spirits 42: 629.
 of women 35: 723.
 Okadjibandja 42: 524, 533.
 Old 42: 602, 606, 610.
 Old Men's 42: 523, 524, 534, 556.
 ornaments 3: 344.
 Padañka 3: 353.
 painting for 3: 348, 350.
 Parishara 38: § 586–590.
 Parroquet 42: 524.
 pictographs 4: 194–197.
 potlatch 35: 898.
 Pumpkin 42: 524, 529.
 Quail 42: 523, 524, 532.
 Rabbit 42: 524, 533.
 Raven 35: 1374.
 Salmon 14: 728; 35: 895.
 Scalp 3: 330; 19: 496; 42: 524, 529.
 scattering 35: 1035.
 Screech-owl 42: 523, 524, 530.
 shaman 35: 1004, 1005, 1018, 1019.
 Sheep 42: 523, 534.
 Skunk 42: 523, 524, 528, 529.
 Small Frog 42: 523, 534.
 Snake 42: 523, 524, 525.
 Snow 42: 523, 529.
 societies of the Omaha 3: 342, 355.
 speaker 35: 898.
 Sun 3: 272, 355.
 Tadpole 42: 603.
 tamer 35: 738, 739.
 Teitahaia 42: 604, 605.
 T'égaxe-watei 3: 352.
 Terrapin 42: 524, 532, 533.
 Thrower 35: 965, 1035.
 Tick 42: 524, 533.
 Tree-Frog 42: 524, 531.
 Turkey 42: 577, 603, 610.
 visiting 19: 493.
 Visitors', of relating exploits. 3: 352.
 Wacicka 3: 342.
 war 42: 524, 529.
 war, of the Winnebago 14: 25.
 Wasp 35: 1158 *sq.*
 wheel of the Apache 14: 704.
 Witcita 3: 349.
 Wolf 3: 348; 42: 524, 556.
 women's 42: 559 *sq.*, 560, 561, 571, 574, 578, 581, 597 *sq.*, 604, 609, 671.

Dance—Continued

See also **Buffalo Dance**; **Cannibal**;
Crazy Dance; **Crow Dance**;
Dances; **Fire**; **Ghost Dance**;
Grizzly Bear; **Hämshämts'es**;
fâm Dance; **Omaha Dance**;
Rich-Woman; **Snake Dance**;
Sun Dance; **War**; **Winter**.

Dance-bags of the Menomini 14:
 272.

Dance Chiefs, office of 45: 262.

Dance Day of Hopi elaborate festivals
 21: 20.

Dance Grounds, ceremonial, near
 Franklin, N. C. 42: 787.

Dance Houses

description of 45: 333.

of the Omaha 13: 274.

speakers of 35: 1164.

Dance Inclosures. *See* **Plazas**.

Dance Kilts, symbolism of 30: 36.

Dance Objects

Antillean 25: 64, 65, 72.

See also **Areitos**; **Plazas**.

Dance Rock, Tusayan, reference to
 Snake dance of 8: 65.

Dance Sticks 38: § 576.

Dancer

attendants of 35: 873.

cut into pieces 35: 1143, 1145.

masked, face of, on pottery from
 Shumopovi 22, i: 115.

masked, figure of, on bowl from Four-
 mile ruin, cut showing 22, i: 144.

masked, figure of, on bowl from Four-
 mile ruin, description of 22, i:
 143.

substitute for 35: 1034.

transformation of 35: 875.

See also **Dancers**.

Dancers

costumes of 47: 104 *sq.*, 314, 318,
 324, 335.

cruel 35: 1158 *sq.*

in the Hako ceremony 22, ii: 247,
 249.

remarks concerning 47: 81 *sq.*

taboos concerning 47: 84.

See also **Dancer**; **Little Dancers**.

Dances

absence of, in winter Flute festival
 21: 29.

animal 42: 523, 524, 610.

as compulsive magic 47: 899.

Dances—Continued

at Abiquiu 29: 137.

at Christmas 47: 106, 303-306.

at Tanana potlatch 46: 43.

Buffalo, origin of 37: 347.

burial 1: 192.

busk, summary of 42: 609 *sq.*

captive's death 37: 384 *sq.*

circuit observed in 42: 522.

Coeur d'Alène 45: 185-192.

Dark Katcina 47: 321-324.

dates of 47: 289, 290.

description of 42: 524, 534; 46:
 556-565.

ditch 47: 318 *sqq.*

Eskimo 18: 353-357.

Eskimo, examples of 18: 370 *sq.*,
 372.

Eskimo, place and time of per-
 formance of 18: 286, 354.

extra, introduction of 47: 888.

facial painting for 45: 423, 427,
 436.

farewell 37: 385.

for benefit of Bear Clan 37: 386.

Green Corn 32: 257.

Grizzly Bear 37: 347 *sqq.*

held monthly 42: 556.

Hok'ixe're, after war party 37:
 318, 379-383.

in circle formation 47: 896.

in line form 47: 896 *sq.*

Jicarilla Apache Indian 29: 109.

Katcina basket 47: 314.

Kikre waci 37: 387.

King's, description of 47: 306.

Kor'kokshi, entertainment for the
 people 23: 148.

land turtle 47: 317 *sq.*

"last" of the series 42: 556.

list of 42: 523, 524.

love making at 46: 558.

masked, at Oraibi 47: 354 *sq.*

masked, at Zuñi 47: 497.

masked, for rain 47: 82 *sqq.*, 124,
 844.

masked, origin of 47: 497, 844.

medicine 37: 359-374.

miscellaneous 47: 68.

mixed 47: 1025.

notched bone 47: 336.

of the Buffalo feast 37: 346.

of the Flathead 45: 386-394.

of the Herok'a society 37: 343.

Dances—Continued

- of the Iroquois 2: 112, 116.
- of the Menomini 14: 247.
- of the Night Spirit society 37: 204, 338.
- of the Okanagan 45: 292 *sq.*
- of the Siouan Indians 15: 175, 184.
- of the Tahus 14: 513.
- patterns of 47: 896.
- pinitu 47: 332-335, 372.
- Pishofa, to cure the sick 42: 622, 623, 708.
- Powamû festival 21: 32.
- preceding the busk 42: 553.
- preparation of 47: 886-896.
- purpose served by 46: 556, 557, 563, 564 *sq.*
- rain-making 47: 82 *sqq.*, 124, 844.
- rehearsals of 47: 892, 894.
- repetition of 47: 896.
- San Ildefonso Indian 29: 295, 308.
- San Juan Indian 29: 119.
- scalp 47: 99.
- soldiers' 37: 228, 386 *sq.*
- songs accompanying 42: 522, 523.
- special, named for animals 42: 558.
- steps used in 42: 522; 47: 897 *sq.*
- Taos Indian 29: 179, 184.
- Tcebokna^ak 37: 387.
- time for holding 42: 522, 525, 527.
- to avert witchcraft 42: 629.
- traditional, of the Wawenock 43: 177.
- traditional songs of 47: 889.
- use of drums in, by American aborigines 20: 34.
- victory 37: 379-383.
- welcoming, description of 47: 44.
- with songs 47: 282 *sq.*
- See also Ceremonies; Dance; and references there; Dances, Chickasaw; Dancing; Katcinas; Rain-making.*
- Dances, Chickasaw**
 - benefits derived from 44: 261.
 - list of 44: 257.
 - Pishofa, for healing the sick 44: 258.
 - to ward off evil spirits 44: 261.
- Dances, Pima**
 - in celebration of victory 26: 205 *sq.*

Dances, Pima—Continued

- in connection with songs 26: 337.
- mention of 26: 170, 250.
- Dances, Social**, reference to 40: 327, 343.
- Dances, Tlingit**
 - at potlatches 26: 435 *sq.*, 438-443.
 - on making peace 26: 451.
- Dancing**
 - a form of worship 47: 497.
 - at general council 42: 312.
 - at Hethu'shka meeting 27: 466, 468.
 - at Zuñi 47: 497 *sq.*
 - before ball game 42: 457.
 - common practice of 42: 449.
 - dramatic, as a mortuary custom 40: 383.
 - grass (or Omaha) dance 27: 461.
 - in He'dewachi ceremony 27: 259.
 - in Ho^a'hewachi ceremony 27: 502, 507.
 - in medical treatment 30: 55.
 - in Mo^awa'dathi^a and Toka'lo societies 27: 486.
 - Katcina, description of 47: 495.
 - Katcina, distribution of 47: 899-903.
 - masked, origin of 47: 497, 844.
 - object of 40: 237.
 - occasions for 47: 497.
 - of children, at gens festival 40: 225 *sq.*
 - religious, ideals concerning 40: 209, 211.
 - to celebrate victory 42: 419.
 - vogue of 45: 164.
 - Zuñi, description of 47: 507 *sq.*
 - Zuñi, limitations of 47: 898.
 - See also Religion.*
- Dancing Apron** 35: 873, 874.
- Dancing House** 35: 870.
- Dancing Lodge**, Siouan 11: 458.
- Dancing Rabbit Creek**, treaty of 18: 726.
- Dancing Societies**
 - mention of 11: 428.
 - of the Omaha 15: 214.
- Dandelion**
 - medicinal use of 43: 266.
 - of recent introduction 33: 59.
 - use of 44: 293.
 - See also Taraxacum Officinale.*
- Dandridge**, raid near 19: 75.

Danger, signals for 1: 529, 532.
Dangerous Man, migration under 19: 99 *sq.*
d'Anghieri, P. M., cited 30: 365.
Daniel, Franciscan friar and lay brother 14: 474, 556.
Daniel, Dr. Z. T.
 material collected by 24: 181, 639.
 on dice games, Teton Dakota 24: 181.
Danielli, J., cited 46: 306, 309.
Danilson, William, material collected by 24: 169, 309.
Danish burial logs 1: 139.
Danohabo land cessions and reservations 18: 784.
D'Anville, Le Sieur
 map by 17: 64.
 on Galisteo 29: 482.
 on Gyusiwa 29: 394.
 on Isleta 29: 529.
 on Jacona 29: 330.
 on Nambé Pueblo 29: 358.
 on Patoqua 29: 397, 398.
 on Pecos 29: 476, 477.
 on San Cristóbal 29: 486.
 on San Felipe 29: 499.
 on San Ildefonso 29: 305.
 on San Juan 29: 213.
 on San Lazaro 29: 491.
 on Sandia 29: 526.
 on Santa Ana 29: 521.
 on Santa Clara 29: 242.
Danville, Ky., trails of 42: 800, 840.
Daql'awe'di, Tlingit Clan
 affinities of 26: 412, 421.
 crests of 26: 415, 416.
 history of 26: 410, 412, 414.
 names of 26: 422.
 phratry and tribe 26: 398 *sqq.*
 standing of 26: 408.
Darby, Cape. *See* Cape Darby.
Darien, capture of, by Balboa 6: 35.
Darina Tree, spirits connected with 30: 228, 233.
Dark Kachina Dance 47: 321-324.
Darkening Land, myths concerning 19: 248, 253, 261, 262, 313.
Darket sandals 38: § 553.
Darkness
 caused by drawing a blanket over the sky 31: 885.
 eating after, evil of 30: 184 *sq.*, 295.

Darkness—Continued
 in Pima mythology 26: 386-389.
 land of, Eskimo legend of 18: 511-514.
 See also Night.
Darlington, William, on early use of the word "Zizania" 19: 1021.
Darlington, surrounding of, by hostile Indians 17: 203 *sq.*
Daro-an
 basket for dart cotton 38: § 417.
 single-leaf ite basket 38: § 453.
Dark Game, played by boys 47: 240.
D'Artaguet
 defeat of French under 19: 417.
 mention of defeat of 42: 502.
Darton, N. H., on geology of workshop sites 15: 31.
Dart-throwing.
 among the American Indians 19: 494.
 among the Eskimo 18: 333 *sq.*
Darts for Blowgun 38: § 120.
 poison for 38: § 121 *sqq.*
 quivers for 38: § 124.
Darwin, Charles
 analysis of emotional tunes by 1: 270.
 on gestures of Fuegians 1: 293.
Das Ausland, cited on marks 4: 183.
Dä'sha-i, a Caddo synonym 14: 1092.
Daspia land cessions and reservations 18: 784.
Dasyprocta Acuchy
 hunting of 38: § 164.
 See also Adouri.
Dasyprocta Aguti
 hunting of 38: § 164.
 taming of 38: § 176.
 tooth knife 38: § 733, 736, 748.
 See also Acouri.
Dasystephana Puberula 33: 109.
Dátekân
 mystic performances of 14: 906.
 threat of outbreak caused by 17: 219.
 See also Pa-tepte.
Dates readily lost 46: 100, 108.
Datha
 king of the province of Duhave 42: 688.
 mention of 42: 708.

Datil

- cord made from 30: 78 sq.
- preparation of, for food 30: 72 sq.
- preparation of, for weaving 30: 78 sq.
- use of, in basketry 30: 79, 81.
- use of, in ceremonies 30: 99.

Datũmpáta, a Kiowa synonym 17: 148, 159.

Datura

- origin of 30: 46.
- uses of 30: 39, 41, 46 sqq., 63, 88-91.

Datura Meteloides DC. *See* Thorn-apple.

Dauberton, —, photographs made by 34: 189.

Daughter-in-law, application of the term 42: 83, 93.

Daughter of the Sun, myths concerning 19: 252 sqq., 297, 436 sqq.

Daughters

- application of the term 42: 81.
- first three, names for 43: 31, 32.
- See also* Child; Kinship Terms.

Daughters of the American Revolution

- road marked by the 42: 830.
- work being done by 42: 833.

Dävéko

- Apache chief and medicine man 24: 285.
- dó-á game led by 17: 347, 348.
- meaning of name of 17: 445.
- portrait of 17: 250.

Davenport, —, purchase of land by 18: 614 sq.

Davenport, Colonel —, reference to 40: 43.

Davenport, Edward

- genealogy of 40: 43.
- reference to 40: 27.

Davenport, Iowa

- mounds near 5: 24.
- pottery from vicinity of 4: 427, 428; 20: 192.

Davenport Academy of Sciences

- acknowledgment to 20: 16.
- exploration by members of 5: 24.
- mention of 4: 367, 368, 380, 381, 393, 396, 409, 423, 426, 427, 431.
- paper published in proceedings of 20: 15.
- pipes found by members of 5: 38.

Davenport Academy of Sciences—Continued

- pottery in collections of 20: 89, 98, 192.
- work of Dr. T. Michelson for 36: 18.

Davenport Tablets 10: 764 sq.; 12: 633-644.

Davidson. *See* Fay and Davidson.

Davidson, G. L., commissioner to extinguish Cherokee title 5: 241.

Davidson, Col. J. W.

- Indian operations under, in 1874 17: 204, 212.

surrender of Comanche to 17: 204.

Davidson, William C., vases donated by 10: xxi.

Davidson County, Tenn., remains in 41: 495.

Davie, William R., commissioner for Cherokee treaty 5: 184.

Davies, —

- History of Antilles by 19: 202.
- on aborigines of Santo Domingo 25: 219.
- on Carib festivals 25: 65.
- on Carib medicine men 25: 60 sq.
- on fishing among the Carib 25: 49.
- on origin of Carib 25: 217 sq.
- on physical features of Carib 25: 30 sq.
- on Spanish mission among Cherokee 19: 29.
- quoted on aborigines of America 34: 126 sq.

Davila, F. T.

- on Hurdaide expedition 17: 55.
- on Seri population 17: 71.
- on Seri wars and raids 17: 79, 94.

Davis, Andrew McFarland

- on dice games, Norridgewock 24: 82.
- on double ball, Wintun 24: 658.
- on games of Narraganset 24: 80.
- on racket, Miami 24: 569.
- on terms used in stick games, Illinois 24: 230.

Davis, Arthur P., reference to 29: 350.

Davis, E. H.

- and Squier on mounds 5: 12, 13, 38, 45, 48.
- collection of terra-cotta figure by 3: 112.

See also Squier and Davis.

- Davis, Gov. E. J.**
 Kiowa prisoners accompanied by 17: 197.
 parole of Set-t'ainte 17: 209.
- Davis, E. W.**
 on archery games, Chiricahua Apache 24: 385.
 on hoop and pole, Chiricahua Apache 24: 449.
- Davis, F. H.**, specimen presented by 40: 20.
- Davis, Jefferson**, on wild rice in vicinity of Madison, Wis. 19: 1036.
- Davis, John**
 cited on Indian medicine men 9: 167.
 cited on Pueblo rebellion 9: 555.
 description of Eskimo house by 9: 77.
 description of fire-making by Eskimo by 9: 290.
 quoted on Eskimo amulets 9: 434.
 quoted on Eskimo burials 9: 426.
 works of, consulted 9: 21, 22.
- Davis, J. Barnard**
 cited 46: 218, 232, 235, 237, 258, 326, 368.
 cited as to skulls 3: 95.
- Davis, Rebecca M.**, on Whiteside Mountain 19: 467 *sq.*
- Davis, Solomon**, Oneida allotment expendable by 14: 30.
- Davis, William**, mounds on land of, Arkansas 12: 207.
- Davis, William H.** 46: 322.
- Davis, Maj., W. M.**
 on Cherokee opposition to removal 19: 126.
 report on state of feeling among Cherokee in Georgia 5: 284.
- Davis, W. W. H.**
 on Cuyamunque 29: 333.
 on destruction of New Mexican documents 14: 535.
 on history of the Sia 11: 10.
 on Jacona 29: 330.
 on Jemez 29: 403.
 on San Felipe 29: 500.
 on San Ildefonso 29: 305.
 on San Juan 29: 213.
 on Sandia 29: 527.
 on Sia 29: 517, 518.
 on Taos 29: 182.
- Davis, W. W. H.**—Continued
 on Yuqueyunque 29: 227.
 shell pendants mentioned by 2: 256.
- Davis Farm**, flint on 44: 510.
- Davis Strait Indians**, snowhouses of 6: 541-544.
- Davy, J. Burt**, on absence of wild rice in California 19: 1029.
- Dawatont**, —, grant of land to 18: 686.
- Dā'wā-wýmp-ki-yas**, Tusayan sun priests 14: 518.
- Dawes, Senator** —, telegram to, on Sioux trouble 14: 835.
- Dawes, Miss Anna**, work of 26: xxiv.
- Dawes Commission**
 organization and powers of 19: 153 *sq.*
 work of 19: 156.
- Dawkins, Boyd** 46: 333, 347, 349, 368.
- Dawn**
 beliefs concerning 11: 468.
 connection of rabbit with 19: 233.
 consideration of, in Hako ceremony 22, ii: 58.
 interpretation of colors of 41: 591.
 Pawnee conception of 22, ii: 124, 125, 320, 321.
 red plumes as the symbol of 36: 134.
- Dawn, Women of**, legend of 30: 266 *sq.*
- Dawn God of the Navaho** 17: 489.
- Dawn Katsina**
 resemblance of, to Nakiatcop 21: 86.
See also Telavai.
- Dawson, — (Prof. G. M. (?))**
 description of Haida dances by 3: 110.
 description of labrets by 3: 82.
 description of masks by 3: 110-114.
- Dawson, Prof. George M.**
 assigns the Tagisch to the Kolushan family 7: 87.
 on Indian land tenure 7: 40.
 on stick game, Haida 24: 260.
 Salishan researches of 7: 104.
- Dawson, Dr. J. W.**
 cited 46: 333, 338, 368.
 illustrations of Iroquoian pottery published by 20: 170.

- Dawson, Dr. J. W.**—Continued
on caching of Indian implements
13: 133.
on crescent-shape arrowpoints 13:
168.
on cupped stones 13: 92.
on round stones as fish killers
13: 95.
on rudeness of certain implements
13: 136.
on use of celts in woodworking
13: 83.
- Dawson, Lee**, unit-type house on prop-
erty of 48: 11.
- Dax̄ē't**, Tlingit town 26: 397.
- Day, Charles L.**, material collected
by 24: 140.
- Day, Dr. D. T.**
acknowledgments to 19: 13.
on southern gold fields 19: 221.
- Day, George D.**, Kiowa agent in 1891
17: 226.
- Day**
characterization of 37: 441.
child of Night and Tirawa 22, ii:
127.
divisions of 42: 398 sq.
in Omaha conception 27: 128, 494.
in Ponca conception 27: 507.
Mayan, symbols of 19: 713 sq.
mention of 11: 467.
mythic origin of 14: 200.
offering to, in War-bundle feast
37: 429, 461.
representation of, in Hako cere-
mony 22, ii: 21.
signs for 1: 371.
symbolism of 27: 254, 517.
symbolism of, in Hako ceremony
22, ii: 42.
See also Days; Nights; Sky.
- Day and Night**, terms relating to
29: 67 sq.
- Day Deities**
in Maori calendar 16: 265.
names of, in Mayan and Mexican
calendars 16: 206.
of the Maya year 16: xcv, 199–265.
symbol of, in Troano Codex 16:
222.
- Day People**
officials of 47: 270.
of white corn group 47: 270.
- Dayaks**, tattooing among the 10:
413.
- Daybwawaindung**, portrait made by
34: 28.
- Dayê'**. *See* Dyea.
- Daylight**
a man-being in Iroquoian cosmology
21: 174.
in Menomini mythology 14: 91.
kept in a box 31: 61.
origin of 30: 266 sq.
origin of, myth of 31: 60 sqq.
string figure of 38: § 686.
- Day-no-day** 46: 96.
- Days**
assignment of, to cardinal points
3: 38 sqq., 50–53.
list of Mexican 3: 32 sqq.
Mayan, method of counting 19:
707.
of the Mayan "Four Series of
Years" 19: 702 sq.
of the week, terms for 42: 404.
See also Day.
- Dayton Village**
location of 37: 51.
treaties of 18: 800, 814.
- De Bois Blanc Island**, cession of
18: 656.
- De Booy, Theodor**
drawings furnished by 34: 177.
mention of 34: 74.
specimen described by 34: 182 sq.
specimens collected by 34: 49, 63,
167, 213, 215, 216, 219, 221.
- De Brahm**, —, survey by 18: 657 sq.
- De Bry**, —
cited 12: 668, 684.
on Indian burial customs 5: 29–39.
Timuquanan names on map of 7:
124.
- De Fer, N.**, on Quivira 29: 566.
- De Forest, J. W.**, on Connecticut In-
dian spades 13: 133.
- De Frenne**, stone graves, near Prairie
du Rocher, Ill. 12: 136 sq.
- De Goeje, C. H.**
cited 30: 145, 159, 278, 286, 296,
297, 304, 310, 327, 329, 330, 346,
363.
on belief in immortality 30: 149.
on talismans 30: 288.
- De Graffenreid Ruins**, mention of
41: 496.

De Haas, Dr. Willis

first in charge of mound exploration
12: 19.

Indian relics bought by 3: 490.

Indian relics collected by 3: 494-
506.

work of 3: xxiv.

**De la Borde, —, on certain Carib
customs 25: 65.****De la Harpe, Barnard, cited 12:
620, 652, 657, 665.****De la Vente, —, cited on Natchez
record 42: 456.****De Leon. See Leon.****De l'Isle, Guillaume**

cited 7: 60.

Kwapa village located by 15: 139.

map of, reference to 27: 80.

on Acoma 29: 543, 544.

on Isleta 29: 529.

on Jacona 29: 330.

on Pecos 29: 476.

on Santa Clara 29: 242.

on Sia 29: 517.

on Tajique 29: 533.

on Taos 29: 182.

Ponka noted on map of 15: 192.
reference by, to Mdewakantowar
15: 215.

**De Luna, Tristan, expedition of
19: 201.****De Mars, Father —, in the Flathead
country 45: 385.****De Mofras, Duflot, on Seri popula-
tion 17: 87 sq., 135*.****De Montagnac, C. P. O'R., Jamaican
amulets found by 25: 140.****De Pauw, — 46: 219.****De Priest, H. G., mound on land of,
Arkansas 12: 243.****De Schweinitz, Edmund, on Mora-
vian missions 19: 84.****De Smet, Father G. I.**

acknowledgment by, to Denig 46:
386.

first missionary among Flathead 45:
385.

object of correspondence with 46:
467.

De Soto, Hernando

among the Kwapa 15: 193.

and followers lived on corn obtained
from the Indians 12: 619.

burial of 1: 181.

De Soto, Hernando—Continued

Caddo encountered by 14: 1094.

Cherokee name used by 19: 182.

expedition of 13: 25.

expedition of, bison not seen by 41:
610.

chronicles of 12: 646.

expedition of, into Cherokee country
19: 23-27, 191-201.

expedition of, mention of 42: 438,
438 sq., 440, 446, 510, 682, 683, 701,

704, 706, 740, 777, 779, 820, 829,

on bees among the Cherokee 19:
214.

on early habitat of the Kaskaskias
7: 113.

quarries attributed to 44: 540.

relics of, among the Creeks 17: 242.
supposed to have visited the Yuchi

7: 126.

Timuquanan towns encountered by
7: 124.

visit of, to Cherokee 5: 134.

visit of, to Cutifachiqui 5: 135.

See also Soto.

De Vaca, Cabeza

hawk's bill found by, in the hand of
native 12: 713.

See also Cabeza de Vaca.

**De Vaugondy, a synonym for Me-
nomini 19: 1048.****De Vreede, Jan, killed at Wounded
Knee 14: 872.****De Ward, C., survey of 18: 737.****De Witt, Fredericus, maps by 17:
56, 62.****De Witt, John H.**

acknowledgment to 42: 745.

mention of 41: 589.

De Witt's Corners, treaty of 19: 53.**De Zeltner, A. See Zeltner.****Dead**

abandonment of homes of 30:
149, 159.

abiding place of 47: 633.

appearance of 30: 272.

blessings bestowed by 47: 510.

dance for the 1: 192.

disposal of the 11: 518.

Eskimo feasts to the 18: 363-379,
424 sq.

Eskimo manner of regarding the
18: 423 sq.

Dead—Continued

- Eskimo shaman's visits to land of the
 18: 433 sq.
 eyes of the 30: 160, 299.
 facial painting of the 40: 370.
 food buried with the 40: 372.
 go to the west 40: 357.
 land of the, Eskimo legend of 18:
 488 sqq.
 mourning for the 30: 254.
 not to look backward 40: 357,
 359, 419.
 of sky land converse with the living
 21: 263.
 orientation of the, in burial 40: 372,
 409.
 resurrection of the 30: 170, 178,
 182.
 Seri and Yuman words meaning
 17: 338* sqq.
 Seri treatment of 17: 11 sq., 287*–
 295*.
 speeches to the 40: 417 sqq., 419
 sqq., 431 sqq.
 tobacco cast on 40: 372.
 worship of 47: 483.
See also Ancestors.
- Dead Hunter**, Iroquoian tale 2: 87.
Dead Mountain, Nev., petroglyphs at
 10: 95.
Dead Standing Mountain, in Pima
 song 26: 296.
"Dead" Villages 46: 134, 136, 137,
 142, 168, 183.
Deadfalls, Eskimo use of 18: 121.
Deaf, pictographs for 10: 587.
Deaf and Dumb, American annals of
 the 1: 293.
Deaf-Mute College, National, test
 of signs at the 1: 321.
Deaf-Mutes
 methodical signs of 1: 362.
 Milan Convention on instruction of
 1: 307.
 signs of instructed 1: 362, 397.
 signs of uninstructed 1: 277.
 sounds uttered by the uninstructed
 1: 277.
Deans, James, on shinny game,
 Haida 24: 642.
Dearborn, Henry, purchase of land
 from, by Seneca 18: 773.
Dearle, —, acknowledgment to 34:
 66.

Dease and Simpson, cited 6: 458.

Death

- accidental, punishment in case of
 42: 342.
 as form of punishment 42: 355.
 assistance at, of clansmen 47: 39.
 beliefs concerning 11: 374, 421,
 512, 518; 47: 137 sq., 481.
 burning of property after 35: 1329,
 1330.
 caused by mystic power 40: 38.
 caused by red turkey 40: 199.
 caused by shame 35: 1103.
 caused by slipping of ribs 40: 173.
 caused by witchcraft 47: 482.
 causes of 46: 478.
 concept of 37: 313 sq.
 customs relating to 11: 485; 43:
 389–393.
 disposal of property after 35: 1330.
 flight of spirit at 30: 270.
 foretelling of 27: 489 sq.
 general conception of 27: 489 sq.,
 588–591.
 hair cut after 35: 709.
 Hethu'shka teaching as to 27: 475.
 in Pima mythology 26: 216, 248.
 in story of Shell society 27: 514 sq.
 mention of 35: 705–710.
 methods of disposal after 31: 441
 sq.
 Omaha ceremonies at 3: 229, 233.
 omens of 30: 121, 274 sq., 301 sq.,
 303, 331.
 origin of 30: 179, 182, 241, 250 sq.
 Pima views of 26: 193.
 sacred shells associated with 27:
 457.
 Seri ideas concerning 17: 292* sq.
 signs for 1: 353, 420, 497.
 signs of 35: 603 sq., 707 sq.
 song of Kiowa warriors 17: 329.
 story of origin of 40: 387–393, 473–
 481.
 the subject of talk 40: 273.
 tokens of 43: 393.
 water poured out after 35: 1330.
 Zuñi mythic origin of 13: 404.
See also Burial; Bush Spirits;
Cremation; Funeral Customs;
Kanaima; Mortuary Customs;
Mourning Customs; Sickness;
Thunder.

- Death and Mourning of the Guiana Indians** 38: p. 638-665.
- Death-bringer** 35: 747.
- Death Camas**
beliefs concerning 45: 508.
use of 45: 463, 511, 512.
- Death God**
of the Mexicans 16: 243.
offering to 15: 301.
personified at Tusayan 15: 303.
symbol as day symbol 16: 231.
See also Masauwûh.
- Death Valley, Calif.**, petroglyphs in 10: 69 *sq.*
- Death's-head Vase**, Middle Mississippi group 20: 96 *sqq.*
- Debauchery**, drink, dance 38: § 583.
- Débris**
an indication of original height of walls 8: 90.
height of ancient villages judged by 13: 198, 246, 312.
how indicated in plans of ruins 8: 45.
- Debts**
customs concerning 42: 335.
Eskimo regard for 18: 294.
payment of 46: 459.
- Decanters.** *See* Bottles.
- Decapitation in War** 35: 1015.
- Deceit**, signs for 1: 303.
- December**, ceremonies celebrated in 21: 21.
- Dechelette, J.** 46: 332, 333, 351, 368.
- Decimal system**, employed by the Sonoran and Shoshonean peoples 19: 922.
- Decimal-Vigesimal System**, employed by the Othomian, Torascan, Totonacan and Huastecan peoples 19: 922.
- Deciphering**, principles of 1: 207.
- Dē'citān**, *Tlingit* Clan
crests of 26: 416, 420.
history of 26: 412.
phratry and tribe 26: 399.
See also Ghosts; Souls; Spirits.
- Declarations of War**
of Guiana Indians 38: § 758, 759.
pictographically represented 10: 358 *sq.*
- Decoctions**, medicine 38: § 927.
- Decoigne, Ellen**
reservation for 18: 742.
See also Ducoin.
- Decora, Paul**, songs recorded by 47: 9.
- Decora**, position of wife of 37: 193.
- Decora Family**, origin of 37: 65, 67 *sqq.*
- Decorating**
plants used in 30: 82.
the Xo'-ka 45: 703-707.
- Decoration**
among Siuon peoples 11: 397.
body 38: p. 419-448.
colors used in 2: 326, 330.
difference of styles of, accounted for 2: 328.
eastern United States pottery 20: 25, 36, 40 *sq.*, 51 *sq.*, 56, 64-80.
evolution of 20: 64 *sq.*
Florida Peninsula pottery, designs 20: 118, 121, 122, 123, 125, 126, 127, 128.
Florida Peninsula pottery, methods 20: 118.
Gulf Coast pottery, designs 20: 106, 107, 108, 109 *sq.*, 113 *sq.*
Gulf Coast pottery, methods 20: 105 *sq.*
house 38: § 325.
house openings 8: 145 *sq.*
Indian pottery, change in forms of 2: 327, 333.
Indian pottery, vegetable matter employed in 2: 331.
Iroquoian pipes 20: 174 *sq.*
Iroquoian pottery, designs 20: 171 *sq.*
Iroquoian pottery, methods 20: 162 *sqq.*
kiva roof timbers 8: 145 *sq.*
lack of, in Navaho houses 17: 487.
ladder crosspieces 8: 159.
Lower Mississippi Valley pottery 20: 103 *sq.*
Middle Atlantic Coast pipes 20: 158.
Middle Atlantic Coast pottery, designs 20: 145, 151, 154, 156.
Middle Atlantic Coast pottery, methods 20: 148 *sq.*, 151, 154, 155 *sq.*, 157.

Decoration—Continued

Middle Mississippi Valley pottery, designs 20: 86, 88, 90 *sq.*, 92, 100 *sq.*

Middle Mississippi Valley pottery, methods 20: 85, 86, 88, 89.

New Jersey-New England pottery 20: 177, 179.

no symbolic significance in 2: 333.

Northwestern pottery 20: 188 *sqq.*, 191, 194, 196 *sq.*, 198, 199, 200 *sq.*

of Awatobi pottery 17: 623, 624 *sq.*

of bags 45: 48, 49, 50, 51.

of baskets 45: 51, 52, 55, 223 *sq.*

of clay articles 2: 322.

of cliff house walls 16: 102, 109, 113, 125, 147, 160, 177-181.

of clothing 45: 66-73, 236, 337 *sqq.*

of headbands 45: 74.

of Honanki pottery 17: 570, 571.

of horse equipments 45: 50, 353 *sq.*

of houses of squares 42: 184 *sq.*

of ladle handles 17: 624.

of mats 45: 47.

of Omaha tents 13: 274.

of pottery by spattering 17: 650, 668, 671, 677.

of pottery, Yukon 46: 135, 147.

of Sikyatki pottery 17: 650, 652, 655, 657-728.

of Tusayan kiva 15: 283.

Ohio Valley pottery 20: 185 *sq.*

on basketry suggesting Siouan relationship 41: 533.

personal, in Tusayan ceremony 15: 275, 278, 279, 281, 282, 283, 285, 286, 287.

roof beams 8: 123, 125.

Seri 17: 10, 164*-179*.

Seri, significance of 17: 176*-179*.

Seri, travelers' accounts of 17: 78, 101.

South Appalachian pottery, designs 20: 133 *sq.*, 138, 139 *sq.*

South Appalachian pottery, methods 20: 133-136.

Southern and Northern pottery 20: 145 *sq.*, 187.

wall of Mashongnavi house 8: 146.

wooden chair 8: 213.

Zuñi window sashes 8: 196.

Decoration—Continued

See also Adornment; Beadwork; Carving; Checker; Color; Comb-like; Cords; Cross; Designs; Dyes; Fabrics; Filfet; Griddle; Guilloche; Herringbone; Imbrication; Incision; Indenting; Inlaying; Meander; Ornaments; Paddles; Painting; Personal; Quillwork; Roulette; Scroll; Stamps; Trailing; Volute.

Decorative

motive in pottery, sources of 4: 453.

pleasures 19: LX-LXIII, LXXIV-LXXVII.

Decoys

used by Eskimo in catching ptarmigan 18: 132.

women as, in warfare 38: § 764.

Decu'. *See* Haines Mission.

Dedication of Navaho houses 17: 476, 504.

Deep Creek Reserve, sale of 18: 830.

Deep Creek Uta, executive order affecting 18: 892.

Deep Fork, Upper towns on 42: 333.

Deer

a life symbol 36: 96.

a man-being in Iroquoian cosmology 21: 173.

appearance of, in pictures of Hopi kateinas 21: 95.

as a symbol 39: 214.

as an emblem 39: 327.

basketry design 38: § 444.

bina for 30: 282.

brains, bows sized with 14: 281.

ceremonial division of 47: 338.

ceremonial over, killed in a hunt 23: 440, 441.

ceremonies connected with 39: 322.

connection of, with Shell society 27: 518, 559.

creation of, reference to 35: 398.

division of, at War-bundle feast 37: 430.

Eskimo lance for hunting 9: 240-244.

Eskimo methods of killing and capturing 18: 118 *sq.*

Eskimo use of intestines of 18: 118.

Deer—Continued

fat of, use of, in Hako ceremony
22, ii: 20.

horns used as pegs in Zuñi 8: 111.

hunting of 11: 249; 27: 270, 271
sq., 274 sq.; 32: 656; 38: § 168;
46: 536.

hunting of, among Pima 27: 44.

implements made from bones of,
from Pueblo ruins, description
of 22, i: 94, 95.

killed for War-bundle feast 37:
442.

method of hunting 42: 693; 45:
101.

myths concerning 11: 37, 64, 153,
201, 328; 19: 250 sq., 263, 266,
275 sqq., 286 sq., 432, 450 sqq.

place of, in life of Osage 36: 185.

place of, in tribal life 39: 322.

prayer for stalking 47: 835.

prayer on trapping a 23: 440.

representation of, Middle Mississippi
Valley pottery 20: 95.

Seri chase of 17: 196*.

skin of, use of, in Hako ceremony
22, ii: 21.

songs of the Cherokee 19: 435.

symbol in the codices 16: 233, 234.

taboo of 11: 412.

tail of, used as charm 35: 649.

taming of 38: § 716.

tradition concerning 45: 96 sq.

turtle and, legend of 30: 212 sq.

ulna of 35: 117, 124, 157.

why, have short black tails 31: 63.

Women, mythic 11: 480.

See also **Deer**, among the Pima,
Tlingit; **Reindeer**.

Deer, among the Pima

as food 26: 81, 83.

disease caused by 26: 262.

in mythology 26: 217, 218.

in song 26: 301, 317.

Deer, among the Tlingit

charm for 26: 447.

name in peace-making 26: 447,
451.

name of gaming stick 26: 444.

products, articles of trade 26: 93.

town name 26: 409.

Deer, at Cibola

description of, by Colorado River
Indians 14: 405.

95719°—33—20

Deer, at Cibola—Continued

in Menomini myth 14: 201.

in Pueblo region 14: 518.

of the Great Plains 14: 528.

Deer and Corn Clans

bringing of water by members of
23: 128, 129.

deposition of prayer plumes by
members of 23: 128, 129.

Deer Antler

fragments of 44: 135.

wedges of 44: 135.

Deer Clan

associations of 42: 149.

customs of 37: 246.

dog names of 37: 246.

native names for 42: 115.

origin myth of 37: 247 sqq.

of the Cherokee 42: 118.

personal names of 37: 249.

song of 37: 249.

See also **Sowinû Clan**.

Deer Creek Reserve

cession of 18: 938.

establishment of 18: 912.

Deer Disease, treatment for 42: 639
sq.

Deer Gens, personal names of 43:
128 sqq.

Deer-head, a sky deity 43: 74.

Deer-head Gens, Omaha 3: 245.

Deer Horn, appearance of, in Hopi
pictures 21: 60, 103, 121.

Deer Hunter

legend of 21: 104.

representation of, in picture of
Sowiñwû 21: 103.

Deer Katsinas

association of, with Kwewû 21: 103.

See also **Sowiñwû**.

Deer-Mouse, a man-being in Iroquoian
cosmology 21: 306.

Deer People Gens

mention of 36: 95.

See also **Ta' I-ni-ka-shi-ga Gens**.

Deer Scapulae

appearance of, in pictures of Hopi
katsinas 21: 103.

substitution of sheep scapulae for
21: 85.

Deer Songs

of the Osage 36: 185–191; 39:
129–137, 322–326; 45: 643 sq.

ritual closed with 39: 328.

Deer, White

- borrowing coat of 32: 267.
- carries boy away on antlers 32: 354.

Dearborn, Henry, treats with the Cherokee 5: 193, 195.

Deering 46: 203.

Deerskin

- Eskimo ceremonial objects made of 18: 397, 404, 406, 408, 413.
- Eskimo clothing made of 18: 30, 32, 35, 36, 38, 44.
- Eskimo hunting bag made of 18: 167.
- Eskimo transportation apparatus made of 18: 217, 231.
- for sweat-houses and masks in Navaho ceremonial must be smothered animals 8: 242.
- over the entrance of a Navaho sweat-house, signification of 8: 242.
- taboo of, to the Ponca gens 27: 44.
- use of 11: 284, 299.

Deer's Potato, medicinal use of 42: 660.

Defender, a man-being in Iroquoian cosmology 21: 234.

Defense

- a motive for selection of dwelling site 8: 59.
- absence of motive for, in cliff ruins 16: 101, 142, 153, 154, 170, 196, 197.
- adaptation of architecture to 8: 226.
- architecture relied upon for 8: 58.
- efficiency of, at Zuñi 8: 97.
- expedients for, in cliff dwellings 16: 170.
- features of, at Ojo Caliente 8: 69.
- features of, at Tusayan and Zuñi compared 8: 76.
- gateways arranged for 8: 180, 182.
- home villages located for 16: 111.
- loopholes, an evidence of 16: 135.
- loopholes for 8: 198.
- method of, at Payupki 8: 59 *sq.*
- methods of, adopted in war 38: § 765.
- motive for, dying out in Zuñi 8: 96 *sq.*
- not a factor in selection of Mashongnavi site 8: 67.

Defense—Continued

- not a motive in selection of site of Zuñi 8: 97.
- of houses 38: § 291.
- of villages, Eskimo provision for 18: 327 *sq.*
- provisions for, at Kin-tiel 8: 92, 93.
- provisions for, in Ketchipauan church 8: 96.
- Seri methods of 17: 264* *sq.*
- sites chosen for, inconvenient to sources of subsistence 8: 77.
- the motive of occupation of Tâaaiyana mesa 8: 90.
- use of Ketchipauan church for, by natives 8: 82.
- wall for, at Bat House 8: 52.
- wall for, at Pueblo Bonito 8: 70.

Defenses, types of 45: 117 *sq.*

Defensive

- cliff dwellings 13: 260.
- motive of Casa Grande 13: 307.
- sites, to what attributed 16: 91.
- sites of ancient Verde villages 13: 193, 206, 208, 214, 215, 216.

Defiance, signals for 1: 530.

Definitions of terms 11: 365.

Deflectors, description of 33: 172.

Deformation

- artificial, of the skull 46: 83, 282, 321.
- of Guiana Indians 38: § 501-507.
- of Seri bodies 17: 264* *sq.*
- of the child 35: 656, 658, 662, 663, 664, 665, 666.
- of the head, Koskimo 35: 671.
- of the head, Kwāg-ul 35: 671.
- of twins 35: 675.

Deformities, cause of 30: 187, 371.

Deganawida, story of 48: 13.

Deganeski, Union Cherokee leader in Civil War 19: 171.

Degiha. *See* Čegiha.

Degrees

- of the Osage rites, order of 36: 152, 153.
- of the Osage rites, seven in number 36: 152.

Dehesa, Gov. Teodoro, acknowledgments to 25: xxviii, 235; 26: xv.

Dehesa Collection 26: xv.

Dehnninotaton. *See* Down-fended.

Deities

- attitude toward 37: 279.
- day, in Maori calendar 16: 265.
- list of 37: 285.
- of the Hopi 15: 265.
- of the Siouan tribes 11: 372, 445, 506.
- offerings to 37: 311.
- prayers to 45: 184.
- use of the term 15: 253.
- See also* **Deity; Divinities; Gods; Spirits.**

Deity

- Chickasaw conception of 44: 247 *sq.*
- chief, of the Okanagon 45: 289.
- Christian, confused with native conceptions 42: 481.
- conception of 32: 62.
- in Pima conception 26: 245, 250 *sqq.*
- in Tlingit conception 26: 417, 434, 451 *sq.*, 454.
- names for 42: 482.
- supreme, belief in 42: 709.
- See also* **Cosmology; Gods; Religion.**

Dekanawida, peace proposed by 43: 460.

Dekinā'k'la, Tlingit feast described by 26: 438.

Del Rio

- reference to 28: 202, 203, 204.
- ruins near 28: 201.

Delano, A.

- on hand game, Ololopa 24: 299.
- on stick game, Ololopa 24: 248.
- on tree burial in Nebraska 1: 161.

Delaware, Ohio, trail to 42: 786.

Delaware Indians

- account of 14: 1095.
- adopted into League of the Iroquois 43: 463.
- cession of land in Indiana by 5: 137.
- connection of, with southern New England tribes 43: 214 *sq.*
- delegation of, to Wovoka 14: 903.
- final defeat of 14: 672.
- Ghost dance doctrine among 14: 786, 902.
- join the Cherokee 5: 356 *sqq.*
- mention of 42: 96.

Delaware Indians—Continued

- opposition of, to Tecumtha 14: 684.

See also **Delawares.**

Delaware Language

- consonantic clusters in 28: 283.
- description of 28: 228, 275–280, 290a, 290b.
- examples in comparison with 28:
 - Abnaki 238, 284.
 - Algonkin 243, 244, 261, 265, 267, 268, 273.
 - Cheyenne 286.
 - Cree 238, 239, 243, 244, 251, 256, 261, 265, 267, 269, 273, 274, 275, 284, 286.
 - Cree-Montagnais 273.
 - Eastern Algonquian 257, 269, 270, 287, 288.
 - Fox 238, 239, 243, 244, 250, 251, 256, 257, 259, 260 *sq.*, 265, 267, 270, 273, 274, 275, 283, 284, 287, 290.
 - Kickapoo 259, 267.
 - Malecite 239, 269, 283.
 - Menominee 239, 243, 244, 250, 251, 257, 261, 267, 270, 273.
 - Micmac 238, 256, 273, 284, 288.
 - Minsi 239, 274.
 - Montagnais 259, 261, 267, 269, 286.
 - Natick 239, 243, 244, 250, 265, 269, 273, 274, 284, 286, 288.
 - Ojibwa 238, 239, 243, 244, 256, 257, 261, 265, 267, 268, 269, 270, 273, 275, 284, 286, 288.
 - Ottawa 261, 265, 267, 268, 273.
 - Passamaquoddy 243, 267, 286, 287.
 - Penobscot 267, 269.
 - Peoria 238, 239, 256, 257, 261, 265, 267, 268, 270, 275, 284.
 - Potawatomi 261, 268, 273.
 - Sauk 259, 267.
 - Shawnee 238, 239, 243, 244, 256, 257, 261, 265, 267, 274, 283, 284, 287, 288.
 - Stockbridge 238, 284, 290.
 - Turtle Mountain (Ojibwa dialect) 239.
- formation of negative verb in 28: 274.
- independent mode in 28: 231, 260 *sq.*, 268, 287.

Delaware Language—Continued

- indicative mode in 28: 273.
- reference to 28: 225.
- relationships of 28: 231, 238, 244, 289.
- study of, by Dr. T. Michelson 34: 16.
- subjunctive mode in 28: 246, 260, 265, 268.
- suppositive mode in 28: 273.

Delaware Prophet, account of the 14: 662.**Delaware Valley**

- archeology of 15: xxi.
- occurrence of Iroquoian pottery in 20: 178.
- pottery of 20: 176 *sqq.*
- relations of pottery of 28: 147.
- resemblance of pottery of, to that of Chesapeake-Susquehanna Valley 20: 176.

Delawares

- among the Cherokee 19: 137, 157.
- burial of, in stone graves 12: 692, 697.
- capture of Cherokee medicine by 19: 397, 503.
- Cherokee relations with 19: 18 *sq.*, 373, 378 *sq.*
- confederation of, with Cherokee 18: 841.
- games of the 24:
 - dice games 69 *sq.*, 105.
 - hidden ball 342 *sq.*
 - hoop and pole 421, 446 *sq.*
 - racket 567.
 - ring and pin 537.
- genesis legend of 19: 229.
- graves in Ashland county, Ohio 5: 47.
- habitat of the 7: 79.
- in Texas, union of, with Cherokee 19: 143.
- in Texas, wanderings of 19: 146.
- incorporation of, with Cherokee 19: 99, 151.
- invitations to join Cherokee extended to 19: 105, 136.
- land cessions and reservations 18: 596, 597, 648, 650, 656 *sqq.*, 662 *sqq.*, 666 *sqq.*, 674, 676, 678, 684–688, 692, 724, 740, 778, 780, 790 *sqq.*, 822, 824, 840.
- mode of address used to 19: 491.

Delawares—Continued

- Moravian missionary work among 19: 83.
- name of, for Cherokee 19: 16.
- policy of 18: 639.
- population of 7: 49; 18: 639.
- regard for snakes among 19: 458.
- remains of weirs in 13: 15.
- scarcity of pottery from 20: 157.
- Shawano early dispute with 17: 154.
- sketch of the 19: 497.
- trans-Mississippi migration of 19: 99.
- Walam Olum of 17: 142; 26: 34.

See also Delaware Indians.

Delgado. *See Ubeda y Delgado.***Delirium**, how treated by the Zuñi 30: 48.**Delisle, Guillaume**, maps by 17: 56, 63, 64.**Dellenbaugh, F. S.**

- drawings by 10: 51.
- on identification of Cibola 17: 595.
- on manufacture of death's-head vases 20: 96.
- on Puaray 29: 524.

Dellius, Godfrey, grant of land to 18: 580.**Delphinium Menziesii** 45: 502, 506.**Deluge**

- Cherokee myths concerning 19: 261, 444 *sq.*
- Sia myth concerning 11: 57.
- Tsimshian myth concerning 31: 346–350, 862.
- Tsimshian story of the 31: 113.

Demarcation, Line of, between Indians and Eskimo on the Yukon 46: 57, 66, 67, 82, 127, 129, 134, 151.**Demarcation Point, Alaska**

- called Herschel Island 9: 26.
- Eskimo villages at 9: 43.

Demarena Indians, marriage customs of 30: 318.**Dementia** among the Pima 26: 268.**Deméré, Captain** —

- commander of Fort Loudon 19: 40.
- death of 19: 44.

- Demeré, Captain** —.—Continued
 surrender of 19: 43.
 use of drums of 19: 493.
- Demigods**, absence of belief in 11: 371.
- Demonology**, definition of 15: xviii.
- Demonomy**
 classification of 16: xvi.
 definition of 15: xix.
- Demons**
 Eskimo belief concerning 9: 431, 434.
 in Pima song 26: 329.
See also **Ghost; Spirits.**
- Demonstrative Pronouns**, Algonquian 28: 232.
- Demotic**
 characteristics of the Indians 15: LXIX.
 characters of the Seri 17: 10 *sqq.*, 164*-344*.
 classification of the Indians 14: XXVII, XXVIII, XXXVIII.
- Denax-da'xu**
 mention of 35: 218.
 method of cooking mountain-goat skin 35: 443.
 method of cooking salmon 35: 323.
- Dendrocygna Viduata.** *See* **Vicissi Duck.**
- Dene** 46: 130.
- Denial**, mistaken, of the existence of sign language 1: 326.
- Denig, Edwin Thompson**
 ancestry of 46: 383 *sq.*
 Assiniboin gentes given by 15: 222.
 Assiniboin manuscript of, preparation of 41: 6.
 brief account of life of 46: 380 *sq.*
 character of 46: 382.
 contributor to Bureau 48: 1189.
 Indian name of 46: 386.
 manuscript report by 44: 6.
 obituary of 48: 1221.
 on archery, Assiniboin 24: 39.
 on dice games, Assiniboin 24: 173-177.
 on hand and foot ball, Assiniboin 24: 707.
 on hand game, Assiniboin 24: 316 *sq.*
 on racket, Assiniboin 24: 610 *sq.*
 on running races, Crows, Mandan 42: 807 *sq.*
 on shinny, Assiniboin 24: 636.
- Denig, Edwin Thompson**—Contd.
 on shuffleboard, Assiniboin 24: 728.
 on snow-snake, Assiniboin 24: 415.
 on tossed ball, Assiniboin 24: 710.
 quoted on the Assiniboin 15: 222.
 tribes described by 46: 379.
- Deniker, J.** 46: 229, 235, 256.
- Denison, James S.**, communication from 10: 105.
- Dennison, B. F.**, inclosure on farm of, New York 12: 510.
- Denny, L. W.**, burial mound on property of 41: 89.
- Denonville, J. R. de B.**, quoted on French policy toward Indians 18: 546 *sqq.*
- Densmore, Miss Frances**
 bulletin by, on Chippewa music 30: 23.
 bulletin by, on Teton Sioux music 39: 24.
 collaborator of Bureau 48: 1189.
 collections made by 39: 27.
 papers by 34: 26; 36: 31; 37: 28; 40: 17; 44: 16.
 researches in Indian music 31: 8, 19 *sq.*; 32: 10.
 special researches of 32: 27.
 study of Indian music by 38: p. 15.
 study of primitive Slovak music by 38: p. 15 *sq.*
 systematic research by 33: 30.
 work of 29: 19; 30: 10, 21, 24; 34: 21; 36: 27; 37: 21 *sq.*; 39: 23; 40: 14 *sq.*; 41: 12 *sqq.*, 35 *sqq.*, 60 *sqq.*, 87 *sqq.*, 112 *sq.*; 42: 15; 43: 10 *sq.*; 44: 10-13; 45: 10 *sqq.*; 46: 11 *sq.*; 47: 8 *sqq.*; 48: 15 *sq.*
- Dental Arch**
 Eskimo 46: 236, 264
 Yukon Eskimo 46: 162, 163.
 Yukon Indians 46: 152, 154, 155, 157, 275.
- Dentalia**
 mention of 35: 1035.
 used in weather charm 35: 624.
- Dentalium**
 shells used for money 2: 191, 220, 227, 239.
 shells used for ornament 2: 191, 218, 220, 227.
 shells used in bushing 2: 218, 227.
 use of 44: 148.

Dentistry

- among the Chippewa 44: 335.
- among the Eskimo 18: 310; 46: 93.

See also Toothache.

Deoñ, acknowledgments to 14: 655.

Departure and Return, Algonquian pictographic notice of 10: 330.

Departure of the Katcinas

- prominence of Eototo in celebration of 21: 77.

See also Ninan.

Depilation

- among Guiana Indians 38: § 508.
- practice of 45: 83, 341.

Depons, F.

- cited 30: 118, 137, 139, 161, 285, 289, 342, 371.
- on Guacharo caverns 30: 161 sq.
- on medicine-men 30: 350 sq.

Depressions

- artificial, at Casa Grande 13: 303.
- saucer-shaped, remains of dwellings 41: 495.

Depuch Island, Australia, petroglyphs on 10: 162 sq.

Derby, D. W., explorations by, Wisconsin 12: 88, 89.

Derion, Baptiste, Oto gentes named by 15: 240.

Derision, signs for 1: 301.

Derivation, how accomplished 1: 7.

Derivatives, hypocoristic 40: 377.

Deroque, on Shaw's mission 19: 71.

Dervishes, hypnotism among the 14: 948.

Des Chutes (Lower), a Waiām synonym 14: 741.

Des Moines River

- mounds 5: 33, 34.
- reference to 27: 36, 72, 88, 94.

Dě'sa, a Caddo synonym 14: 1092.

Desaix, Captain — 1: 210.

Descalona, Louis, labors of, at Pecos 14: 401.

Descent

- among primitive peoples 15: cvii.
- among the Assiniboin 15: 225.
- among the Indians 15: 202.
- among the Mandan 15: 241.
- among the Menomini 14: 43.
- among the Navaho 17: 485.
- among the Omaha 27: 38.
- among the Pima 26: 197.

Descent—Continued

- among the Pueblo Indians 13: 197.
- among the Sioux 15: 187, 213.
- among the Tutelo 15: 244.
- conception of, from animals 37: 197.
- explained by Stiggin 42: 114.
- Isletan 47: 202 sq., 352.
- Isletan and Keresan 47: 352.
- matrilineal 34: 88; 42: 376; 47: 34.
- of Dakota chiefs 15: 221.
- of Osage chiefs 15: 235.
- reckoning of 37: 185, 192 sq.; 45: 161.
- supposed, from the Hebrews 42: 421.

Descourtilz, on Antillean pictographs 25: 148.

Description of burial feast 1: 190, 191.

Descriptive Ethnology, work in 15: LXXIX; 17: XLVIII-LI; 18: XLV sq.; 19: XXVIII sq.

Desert

- life in, solidarity of 17: 32, 37.
- solidarity, Seri failure to participate in 17: 133*.

Desgodins, Père —, Mo-so manuscript copied by 10: 673 sq.

Deshneff, S., reports Alaska people with labrets 3: 92.

Desierto Encinas, features of 17: 39 sqq.

Design Arrangements, comparison of 41: 424 sqq.

Design Elements

- discussion of 41: 245-258.
- distribution of 41: 454-462.

Design Fields 41: 228-234.

Design Names

- distribution of 41: 470 sqq.
- index to 41: 462-470.
- Lower Thompson 41: 471 sq.
- Upper Thompson 41: 470 sqq.

Designs

- application of, to field 41: 258-299.
- arrangements of 41: 237-245.
- associated with Ghost dance 45: 423-427.
- California, on Klickitat bags 41: 375 sq.
- Chilcotin 41: 230, 348.
- Coeur d'Alène 45: 55-58, 77-80.

Designs—Continued

- combination of 41: 303 *sq.*
- considered as incomplete 41: 258.
- curvilinear 46: 174.
- diamond 41: 244, 324 *sq.*
- difficulties in applying 41: 258-261, 263.
- discussion of, by informants 41: 431-448.
- discussion of types of 41: 262.
- dream 41: 302 *sq.*, 339, 387, 451.
- either geometric or realistic 41: 330.
- errors in arrangement of 41: 287, 295.
- Eskimo 46: 174.
- geometric, Chilcotin 41: 348 *sqq.*
- geometric, description of 41: 246-256.
- geometric, discussion of 41: 328 *sqq.*
- geometric, interpretation of 41: 304-330.
- geometric, list of 41: 430.
- geometric, names for 41: 402-411.
- illustrating a story 41: 256, 258.
- in imbrication 41: 140.
- in vertical stripes 41: 242-245.
- index to sketches of 41: 473-483.
- Indian division of 41: 254, 256.
- influenced by dream 45: 428-431.
- inheritance of 41: 301.
- interpretation of 41: 304-330, 348 *sqq.*, 383, 387 *sq.*
- Klickitat and Yakima 41: 357-360.
- Lillooet 41: 230, 339.
- Lytton 41: 331-334.
- meaning of 45: 411-415, 438 *sq.*
- names of 41: 358 *sq.*
- obsolete 41: 370 *sq.*
- of the Flathead group 45: 330.
- on bags 45: 226.
- on baskets 45: 226.
- on clothing 45: 337 *sqq.*
- on pottery 4: 78.
- realistic 41: 254 *sq.*, 330 *sq.*, 339, 348.
- resulting from dreams 41: 302 *sq.*
- selection of 41: 300-304.
- sketched by basket maker 41: 259 *sq.*
- symmetry in arrangement of 41: 284, 286, 287, 296.
- terms descriptive of 41: 400 *sqq.*

Designs—Continued

- Thompson 41: 230-233, 365, 366, 378, 383.
- used at Guardian Spirit dance 45: 427 *sq.*
- used by shamans 45: 431 *sq.*
- used by warriors 45: 433-437.
- used in facial painting 45: 420-423.
- used in tattooing 45: 87 *sq.*, 408-417.
- variations of 41: 301.
- Yakima and Klickitat 41: 357-360.

See also Decorations; Forms.

Desmoncas

- bush ropes 38: § 72.
- for basketry 38: § 100, 104.
- for plaited belt 38: § 544.

Despair, sobbing as an expression of 20: CXLII.

Destruction

- of cultural remains 46: 88, 89, 90.
- of human remains 46: 97, 111, 181, 363.
- of sites 46: 136.

Determination, compressing the lips as a sign of 20: CXLIII.

Detroit

- cession of land at 18: 654.
- treaty of 18: 674 *sqq.*, 810 *sqq.*

Detroit Gazette, on wild rice as biennial plant 19: 1025.

Detsăna'yuka, a Comanche band 14: 1044.

De'tsătä, Cherokee fairy 19: 334 *sq.*

Detsekayaa, Caddo name of the Arapaho 14: 953.

Development

- of cliff dwellings 16: 198.
- of Pueblo architecture 16: 155.

Devil, Indian idea of the 14: 1031.

Devil-doer Tree

- effects of 30: 233.
- spirits associated with 30: 228, 233.

Devil Spirit

- evil due to 30: 349 *sq.*
- flagellation 30: 331 *sq.*, 350.

Devilfish

- beliefs regarding 35: 614.
- boiled 35: 470.
- boiled with oil 35: 473.
- catching of 35: 185, 470, 474, 475.
- female, not boiled 35: 472.

- Devilfish**—Continued
hook for 35: 151 sq.
name of Tlingit gaming stick 26: 443.
scorched 35: 472.
steamed with clams 35: 474.
used as bait 35: 1320.
used in Tlingit crest 26: 416.
- Devilfish, The Giant**, Tsimshian myth of 31: 135-138, 739.
- Devilism**, definition of 1: 32.
- Devil's Claw**
in Pima basketry 26: 133, 135.
Pima article of trade 26: 94.
- Devil's Footprint**, legend of 42: 256.
- Devil's Garden, Fla.** 5: 478.
- Devil's Lake**, Siouan name of 15: 184.
- Devil's Lake Reserve**, establishment of 18: 842.
- Devil's Shoestring**
in Cherokee lore 19: 425.
medicinal use of 42: 658, 668.
- Devil's Tower**, Kiowa mythic origin of 17: 160.
- Devol, W. S.**, account by, of cliff houses on Bonita Creek, reference to 22, i: 187.
- Devouring the Dead**
Fans of Africa 1: 182.
Indians of South America 1: 182 sq.
Massageties, Padaeans, Derbices, Effedens, Irish and ancient Britons 1: 182.
See also Cannibalism.
- Dew**
people of Zuñi tradition 13: 343, 390.
source of 30: 260.
terms relating to 29: 54.
- Dew Makers**, employment of 42: 631.
- Dewey, George**
explorations in Seriland by 17: 105 sq., 200* sq.
notes on Seri by 17: 106.
- Dewey, Lyster H.**, plant identified as *Scirpus* by 35: 13.
- Dhe'giha**
application of term 27: 605.
See also Øegiha.
- Dhegiha**, twofold organization of 37: 181.
- Diagnosis** by primitive trephiners 16: 62.
- Diagonals**
stepped, difficulties encountered with 41: 290-296.
textiles 3: 416.
- Dialects**
among Plains Indians 14: 582.
Cherokee 19: 16, 188 sq., 506.
of the Flathead group 45: 303.
of the Okanagan group 45: 203.
of Western Eskimo, distribution of 18: 24 sqq.
numerous, connected with gesture language 1: 294, 306.
See also Language.
- Dialogues**, in sign language 1: 486.
- Diamond**, as an element in design 41: 253 sq.
- Diamond Designs** 41: 244, 324 sq.
- Diario**, quotation of Garces from 19: 599.
- Diarrhea**
among the Pima 26: 268.
Aroclidium camara as medicine for 38: § 927.
- Diaz, President** —, acknowledgment to 26: XIV.
- Diaz (del Castillo), Bernal**
on Cempoalan 25: 233.
on Chalchihuitl among the Mexicans 9: 591, 592.
on dice game, Aztec 24: 160.
on Indian medicine women 9: 469.
on route of Cortés 25: 244, 245.
on Villa Rica de la Vera Cruz 25: 243.
- Diaz, Capt. Melchior**
command of, at Corazones 14: 484.
death of 14: 407, 501.
exploration by 14: 406, 480, 486, 574; 17: 54 sq.
in command of San Hieronimo 14: 392.
Niza's report investigated by 14: 547, 553, 572.
on Indian wig-making 9: 475.
on location of Totonteac 19: 599.
on Niza's discoveries 14: 383.
ordered to verify Friar Marcos' reports 14: 363.
position of 14: 477.
- Dibble.** *See Planting Sticks.*

D'Iberville, —, names of Taënsa towns given by 7: 96.

Diccionario de Motul, work on translation of 22, i: xxxiii.

Dice, Bone, buried with child 41: 604.

Dice Game

antetype of 24: 383.

canes 24: 210.

general description of 24: 44-49.

of the Arapaho 14: 1004 sq.

of women 37: 122; 45: 130, 260.

pastor 24: 195.

played at adoption feast 40: 359.

played by the 24:

Algonkin 49.

Amalecite 49 sq.

Apache, San Carlos 86.

Apache, White Mountain 87-91.

Arapaho 50-58, 126.

Arikara 97 sq., 101.

Assiniboin 173-177.

Awani 143.

Bannock 159.

Bellacoola 155.

Beothuk 97.

Blackfeet 56 sqq.

Caddo 98.

Caughnawaga 105.

Cayuga 112 sq., 117.

Cherokee 105.

Cheyenne 54, 58-61, 101, 126.

Chippewa 61-68.

Choctaw 146.

Chukchansi 138.

Clallam 155 sq.

Clayoquot 196.

Cocopa 199.

Comanche 55, 126, 159 sq.

Conestoga 105.

Cree 68 sq.

Crows 177 sq.

Dakota 184 sq.

Dakota, Brulé 179-186.

Dakota, Oglala 179.

Dakota, Santee 180 sq.

Dakota, Sisseton 183 sq.

Dakota, Teton 181 sq.

Dakota, Wahpeton 183 sq.

Dakota, Yankton 184, 185 sq.

Dalles Indian 158.

Delawares 69 sq., 105.

Eskimo 102 sqq.

Grosventres 70 sqq.

Dice Game—Continued

played by the 24—continued

Haida 189 sq.

Hidatsa 186.

Hopi 160-165.

Hupa 91 sq.

Hurons 106-110.

Illinois 72.

Iowa 186.

Iroquois 105, 113 sqq.

Kawchodinne 92.

Kawia 165.

Kekchi 141 sqq.

Keres 119-124.

Kickapoo 72 sq.

Kiowa 124-130.

Klamath 136 sqq.

Klikitat 158.

Kwakiutl 196.

Makah 197, 198.

Mandan 187.

Maricopa 201.

Massachuset 73.

Maya 143.

Menominee 73 sq.

Micmac 74-80.

Mission Indians 204, 205.

Missisauga 80.

Miwok 143, 144.

Mohave 205, 207.

Mohawk 110 sq.

Mono 166.

Narraganset 180 sq.

Natchez 146.

Navaho 92-97, 162, 190, 222, 223.

Nipissing 81.

Nishinam 154 sq.

Nisqualli 156.

Nootka 198, 199.

Norridgewock 81 sq.

Olamentke 144.

Omaha 187 sq., 760.

Onondaga 111 sqq., 117.

Opata 146.

Osage 188.

Ottawa 82.

Paiute 166 sqq.

Papago 146 sqq.

Passamaquoddy 82 sqq.

Pawnee 99-102.

Penobscot 84.

Piegian 57, 84 sq.

Pima 148, 152.

Dice Game—Continued

played by the 24—continued

Pomo 131-136.

Ponca 188 *sq.*

Potawatomi 85.

Prairie tribes 54.

Quinaíelt 156.

Saboba 171.

Sauk and Foxes 85 *sq.*

Sekani 97.

Seneca 113-119.

Shoshoni 168-171, 178.

Shuswap 156.

Snohomish 156.

Songish 157.

Takulli 97.

Tarahumare 152.

Tejon 138 *sq.*

Tepehuan 153 *sq.*

Tewa 190, 192 *sqq.*

Thompson Indians 157.

Tigua 190 *sqq.*, 195.

Tlingit 130 *sq.*, 246.

Tobikhar (Gabrieleños) 172.

Tobique 50.

Tulares 145.

Tuscarora 118.

Twana 158.

Ute (Uinta) 172 *sq.*

Walapai 207, 208.

Wikichamne 139 *sq.*

Winnebago 189.

Wyandot 118 *sq.*

Yakima 158.

Yokuts 140 *sq.*

Yuma 208 *sqq.*

Zuaque 154.

Zuñi 46 *sq.*, 120, 210-226.

plum-stone game 24: 61.

primitive game of 11: 61, 178.

quince (shepherd's game) 24: 194.

stave games 24: 56.

stick dice games 24: 29, 32, 33, 152.

throwing game 24: 190.

Dichrophyllum Marginatum 33: 99.

Dickerman, Sumner, busk described by 42: 670 *sq.*

Dickson, Robert

at capture of Mackinaw 14: 55.

Indians under, in war of 1872 14: 19.

Dickson, Robert—Continued

on dependence of fur traders on wild rice 19: 1103.

on popular synonym for wild rice 19: 1023.

Dicotyles. *See* Bush-hog.

Dicranum Bonjeanii, use of 44: 289, 377.

Dictionaries, Indian

in preparation 27: 9.

reference to 29: 13 *sq.*, 23.

Dictionary

Geographic, of Alaska 46: 178, 181, 184.

of Sign Language, extracts from 1: 409.

of the American Indian, work on 20: xxiv.

of the Kalispel, on gaming terms, Pend d'Oreilles 24: 250, 490.

Dictionnaire Français-Onontagué, Onondaga definition of racket from 24: 592.

Didapper, defeat of, by Sir William Johnson 19: 203.

Diddock, Mrs. Walter T., assistance rendered by 33: 46.

Die, Serian and Yuman words meaning 17: 338* *sqq.*

Dieganos. *See* Diegueño.

Diegueño

color schemes of 29: 42.

in Yuma-Pima battle 26: 47.

land cessions and reservations 18: 788.

population of 7: 138.

See also Mission Indians.

Dieriabin 46: 127.

Diervilla Lonicera, use of 44: 289, 342.

Diesseldorff, E. P.

on monster's head from Quirigua 19: 674.

on painting of Cuculcan 19: 678 *sq.*

Diet. *See* Food.

Dietary, Seri, estimate of 17: 214* *sq.*

Dietrich and König

on composition of wild rice 19: 1081.

on popular synonym for wild rice 19: 1023.

Difference

in pottery of different regions 4: 427, 431.

in styles of decoration accounted for 2: 328.

Differentiation

of labor among Indians 11: 271, 542.

of languages within one single stock, to what due 7: 141.

of organs in the State 3: 216.

of parts of speech 1: 8

Digger Indian tongue compared by Powers with Pit River dialects 7: 98.

Diggers

application of the term 14: 1048.

Ghost dance among the 14: 804.

Digging Sticks

description of 45: 91.

for clover 35: 146.

for cryptochiton 35: 150.

for roots 35: 149.

mention of 35: 118, 186, 188, 521.

weighted with perforated stones 13: 98.

Dighton Rock., Mass.

descriptions of 10: 86 *sq.*, 762 *sqq.*

inscriptions on 4: 20, 21, 250.

Dillard, Jack, mound on land of 44: 407.

Dillard, J. H., arbitrator between East Cherokee and Thomas's creditors 19: 174.

Diller, J. S.

acknowledgment to 6: 21, note.

on formations in which cavate lodges occur 13: 219.

Dillon, Vince, acknowledgment to 43: 30.

Dimensions

of ancient Pueblos 13: 211.

of Casa Grande 13: 307.

"Diminished Reserve"

cession of 18: 824.

establishment of 18: 824.

Dinwiddie, William

acknowledgments to 15: 18; 17: 20; 20: 17.

collections made by 41: 72.

crania photographed by 16: 15.

operations of 13: xxvi, xxix.

quarry group arranged by 15: 150.

Dinwiddie, William—Continued

work of 14: xxxvi; 15: xxi, xxv, xxviii, xxxiii, xxxviii, xli, xliii, l, li, liv, lv, lviii, lix, lxiv, lxvi, lxxiv, lxxv, 113; 16: xx, xxii, xxiii, xxvi, xxvii, xxix, xxxviii, xlii, xlv, xlviii, lxii, lxvii; 18: xlix; 20: lvii, 13.

Diomed Islands

burial in 46: 95.

ceremonial objects from 18: 421.

clothing from 18: 30, 31, 34 *sq.*, 39, 41, 42.

crania from 46: 256, 259.

description of villages on 18: 256.

dwellings in 46: 95.

Eskimos of 46: 226, 365.

fossil ivory culture in 46: 174.

Hrdlička's trip to 46: 30, 87, 93, 94, 96.

implements and utensils from 18: 63, 83, 84, 88, 89, 92, 102 *sq.*, 110 *sq.*, 115, 127 *sqq.*, 145, 163, 171, 173, 179 *sqq.*, 189, 190, 192.

"jade" adzes from 46: 88, 96.

Jenness's aid on 46: 95.

Jenness's work on 46: 32, 95.

legendary origin of people of 18: 517 *sq.*

map of 46: 212.

old sites on 46: 95, 96.

ornament from 46: 58.

people of 18: 26, 27 *sq.*

stone adzes from 46: 135.

stone dwellings of 46: 172.

toys from 18: 346 *sq.*

transportation apparatus from 18: 210, 216, 226.

villages of 46: 209, 210.

Diomed Islanders 46: 87, 88, 96.

Dioscorea, "yam," cultivation of 38: § 246.

Diospyros Paralea, febrifuge 38: § 927.

Diplomatic Packets 4: 161, 164.

Dipper, The, a sky deity 43: 73, 74.

Dipper, terms for basket used as 41: 397.

Dipper Gourd 33: 117.

Dippers

collection of Indian 3: 566.

Eskimo 18: 65-70.

Eskimo, of horn 9: 101, 102.

Dippers—Continued

Eskimo, of ivory 9: 103.
from Awatobi, description of 17: 624.

from Pueblo ruins 22, i: 130, 133.
handle of, cut showing 22, i: 131.
views of 22, i: 65, 130, 133.

See also **Cups; Dipper; Mugs; Pottery.**

Dirca Palustris

medicinal constituents of 44: 304.
medicinal properties of 44: 301.
use of 44: 289, 346, 350.

Direction

indicated by drawing topographic features 10: 341-347.
pictographic notices of 10: 334.
sense of, in primitive men and animals 19: 846 *sq.*

See also **Directions**; and references.

Directional Colors, of Zuñi and Moki 15: 208.**Directions**

cardinal, in savagery 15: cxvii, 204.
colors associated with 47: 344.
five 47: 284.
terms for 47: 284.

See also **Cardinal Directions; Cardinal Points; Direction.**

Directive Markings, discussion of 17: 167* *sq.***Director**

report of the 2: xv; 3: xiii; 10: iii-xxx; and *passim*.
work of the 3: xxix.

Dirks, Stone, from Santo Domingo 34: 179 *sq.***Dirty Little Ani**

a variant name 40: 505.
reference to 40: 511.

Disappearing Mist, account of 1: 327.**Disapproval**, frowning as a sign of 20: cxliii.**Discoid Stones**

as grinders and polishers 13: 94.
described and figured 13: 99.
used as mullers 13: 93.

Discoidal

found in house circle 41: 547.
found in mound 41: 564.
found on temple site 41: 509.
used as cover for bowl 41: 547 *sq.*

Discontinuance of sign language, circumstances connected with the 1: 312.

Discourses in signs 1: 521.

Discourtesy, punishment for 30: 226.

Discovery

of Casa Grande 28: 54.
signals for 1: 533.

Disease

and medicine, Cherokee tradition of origin of 7: 319-322.

attributed to witchcraft 14: 139.
concept of 37: 313.

cured by Ghost dance 14: 786.

cured by Peyote 37: 419.

drugs used in 38: § 927-930.

Eskimo treatment of 18: 309 *sq.*, 432, 433.

fear of 38: § 918.

Indian belief concerning 7: 39.

Indian ideas of origin of 14: 721.

method of treating, by Indian medicine-men 9: 462-468.

myths and lore concerning 19: 250 *sqq.*, 281, 308, 435 *sq.*, 502.

new, described by James Adair 44: 265.

pictographic representation of 10: 588 *sqq.*

routine treatment of 38: § 919-926.

theory of, of the Cherokee 7: 322 *sqq.*

treatment of, by jugglery 14: 149 *sq.*

treatment of, by sucking 14: 149.

See also **Disease, Pima, Tlingit;**

Disease and Treatment; Diseases; etc.; Magic; Medicine; Sickness; Witchcraft.

Disease, Pima

cause and treatment 26: 260-267.
in mythology 26: 214.

prevalence of 26: 267 *sq.*

songs for 26: 260-267, 299, 302-330.

Disease, Tlingit, cause and treatment of 26: 464, 469 *sq.*

Disease and Treatment

bathing 27: 585 *sqq.*

case cited 27: 487 *sq.*

doctors 27: 487 *sqq.*

general account of 27: 582 *sqq.*

Disease and Treatment—Continued

- pain in head, Ponca cure for 27: 43.
 treatment by Pebble society 27: 567.
See also Magic; Plants; Wounds; and specific names of diseases.

Disease-Giver

- associated with success in war. 37: 433.
 characterization of 37: 436, 440.
 conception of 37: 168, 287.
 defied by man 37: 309 sq.
 most sacred of spirits 37: 532.
 offering to, in War-bundle feast 37: 429, 430, 449, 457, 467, 505.
 refusal of blessing from 37: 302.

Diseases

- at Anvik 46: 56, 59.
 at Tanana 46: 43.
 attributed to dead bodies 42: 511.
 children's treatment of 42: 656, 657, 658, 665, 666, 668, 669,
 classification of 44: 335.
 contagious, transmitted through food 42: 519.
 diagnosed by Kila 42: 615.
 discussion of 42: 636-654.
 explanation of, by imputation 20: LI-LIV.
 glossary of, terms in relation to 45: 456.
 instruction in treatment of 42: 618.
 list of, with symptoms and remedies 44: 266 sqq.
 mention of 46: 107, 130, 133, 134, 171.
 new, method of dealing with 42: 654.
 of Omaha children 3: 265.
 of the Eskimo 11: 187.
 of the Point Barrow Eskimo 9: 39 sq.
 prevention of 42: 658, 659, 664.
 rarity of 46: 425.
See also Disease, etc.; Doctors; Medical Treatment; Medicine; Sickness.

Dish

- beaver 35: 756.
 double-headed serpent 35: 756.
 dzō'noq!wa 35: 756.
 for pounding salal-berries 35: 59.

Dish—Continued

- grizzly bear 35: 756.
 hair-seal 35: 756.
 killer whale 35: 756.
 sea lion 35: 756.
 wolf 35: 756.

Dishes

- birch-bark 44: 389.
 clay 46: 173.
 Eskimo 18: 70 sqq.
 for feast 35: 325.
 from Guadeloupe 34: 135.
 house 35: 756, 764.
 large wooden, used for burials of infants 43: 77.
 limestone 44: 82 sqq.
 making of 35: 57 sqq.
 materials used for 42: 689.
 measurements of 35: 57 sq.
 mention of 35: 320, 360.
 of abalone shell 44: 146 sq.
 of the Seri 17: 185 sq.
 sizes of 35: 59.
 tools used by Eskimo in making 18: 85, 89.
 wooden, birch-bark, Yukon 46: 136.
 wooden, inlaid or not 46: 69, 71.
See also Beaver; Bullhead; Double-headed Serpent; Dzō'noq!wa; Eagle; Grizzly Bear; House-dishes; Killerwhale; Qolos; Salmon; Sea Monster; Sea Otter; Seal; Thunderbird; Whale; Wolf.

Disk

- beads, specimens obtained 44: 163.
 of turtle shell, from Cheylon 22, i: 96.
 shell ornament for arm 38: § 74.

Disks

- from Casa Grande pottery, perforated 28: 136.
 from Guadeloupe 34: 136.
 of clay, from Kintiel 22, i: 133.
 of clay, used as stamps 34: 235.
 of various materials from Pueblo ruins, list of specimens of 22, i: 106.
 of various materials from Pueblo ruins, problematic use of 22, i: 96 sq.
 perforated 34: 123.

Disks—Continued

- pottery, eastern United States 20: 33, 34.
- pottery, Iroquoian province 20: 170.
- pottery, Middle Mississippi Valley 20: 83.
- pottery, South Appalachian province 20: 131, 141 *sq.*
- rolling, use of, in decorations 20: 52.
- steatite 44: 104.
- stone 34: 75.
- use of, as Sun symbols in Hopi festivals 21: 41, 43, 46.
- use of, to represent buttons in dress of katchinas 21: 88, 98.
- use of, to represent sunflowers in pictures of Hopi katchinas 21: 64.
- See also* **Ear-disks; Roulette.**
- Disks, Scalloped**
 - probably time symbols 2: 273.
 - relation of, to human remains 2: 276.
 - shell, from mounds 2: 275, 278.
 - shell gorgets in the shape of 2: 268, 273, 279.
 - stone 2: 277.
 - stone, with engravings of knotted serpents 2: 278.
 - table of 2: 280.
 - the sun suggested by 2: 272.
 - type example of 2: 273.
 - use of sun symbols of similar shape 2: 273.

Diskwa'ni. *See* Blythe, James.

Dismal River, reference to 27: 88, 91.

Disobedience, punishment for 30: 210 *sq.*, 219–223.

Dispersion of the Great Heads, Iroquois myth of 2: 62.

Disposition. *See* Behavior.

Disputation (Hoopara) 33: 312, 316, 319, 327, 620, 647, 652.

Disputes, settlement of 42: 553, 555.

Distances

- covered by the Indians 42: 735 *sq.*
- how gauged 38: § 941.

Distortion, Facial, of Peruvian cranium 16: 42.

Distribution

- of American pottery 20: 23.
- of cliff ruins in De Chelly 16: 156 *sq.*

Distribution—Continued

- of coiled basketry 41: 154.
- of Iroquoian pottery 20: 164–171.
- of masks, geographical 3: 98–120.
- of Middle Mississippi Valley pottery 20: 80 *sq.*
- of parts of animals 3: 300.
- of petroglyphs in North America 4: 19.
- of Pueblo art 4: 266.
- of stone art 13: 60.
- of stone art materials 14: 21.
- of stone implements 14: 134, 139, 141, 149.
- of the animals, Zuñi myth 2: 21.
- See also* **Classification.**

Distributive Numerals, Unalit, table of 18: 240.

District of Columbia

- collections from 28: 20, 21.
- fabric-impressed pottery from 13: 44, 45.
- field work in 11: xxvi.
- pottery of 20: 156 *sq.*
- quarry workshops of 15: 30.

Disturnell, J., on Taos 29: 182.

Ditch Boss, duties of 47: 55.

Ditch Dance 47: 318 *sqq.*

Dithyraea used in ceremonies 30: 91.

Ditsä'kāna, a Comanche band 14: 1044.

Dius, beliefs concerning 47: 341.

Diversion, use of pottery for, among American aborigines 20: 24 *sq.*

Diversities in signs, classes of 1: 341.

Diversity of Language 1: 28

Divination

- cultural stages of 23: xxi, xxii.
- in savagery 16: 21.
- of the Antilleans 25: 60 *sq.*, 63.
- with grains and seeds 9: 454, 532, 533.

Divine Ones

- assistance rendered by 23: 25, 26.
- creation of 23: 24.
- opening of the earth by 23: 25.

Diving

- contest in Menomini myth 14: 189.
- for fish 38: § 185.
- of the Omaha 3: 341.
- ordeal for Carib captain 38: § 748.

Divining Dance, brief description of 46: 564.

Divining Man

application of the term 46: 494.
dress of 46: 586.

See also **Doctors; Priests.**

Divining Rod, use of 43: 275.**Divinities**

Indian, references to 29: 41, 201.

Siouan 11: 506, 513.

See also **Deities; Gods; Legends; Mythology; Spirits.**

Division of Labor

among the Pima 26: 200.

between the sexes, in wild rice industry 19: 1066.

Divisions

of sign language 1: 270.

of the Osage, accidental 36: 45.

of the Winnebago, functions of 37: 183, 187.

of the Winnebago, mention of 37: 185.

tribal 39: 82, 84.

See also **Clans; Gentes; Moieties; Phratries; Towns.**

Divorce

among the Creeks 42: 376 *sqq.*

among the Eskimo 9: 411 *sq.*; 11: 189.

among the Guiana Indians 38: § 898.

among the Kiowa 17: 233.

among the Pueblo Indians 14: 521.

among the Siouan tribes of California 42: 700.

and separation 47: 237.

attitude toward 47: 135.

reference to 40: 321, 323, 325, 342, 343.

right of 46: 512.

status of 27: 326.

See also **Marriage** (*separation after*).

Dix River, trail along 42: 800.**Dixon, —**

reference to Sitka labrets by 3: 88.

statement of, as to Alaskan burial 3: 96.

Dixon, Dr. Roland B.

acknowledgment to 29: 12.

material collected by 24: 257, 258, 297, 307, 332, 494, 553, 633, 661, 662, 703.

on double ball, Achomawi 24: 703.

on double ball, Shasta 24: 662.

on football, Achomawi 24: 703.

Dixon, Dr. Roland B.—Continued

on four-stick game, Achomawi 24: 332.

on hand game, Achomawi 24: 307.

on hand game, Maidu 24: 297.

on hoop and pole, Achomawi 24: 494.

on shinny, Achomawi 24: 633.

on stick game, Achomawi 24: 257.

quoted on Ohio mounds 37: 76.

reference to 43: 219, 223.

researches of 23: xv, xxv, xxxiv.

work of 24: xxiii, xxvi; 26: xxi, xxvi.

Dixon, Ky., trail over site of 42: 805.

Dixon's Creek, fortified town on 41: 496.

Djaqt!ā'iq!-qa, a Tlingit mythological being 26: 461.

Djilqo't. *See* **Chilkoot.**

Djogeon. *See* **Dwarf People.**

Do Campo. *See* **Campo.**

Dó-ā, medicine game 17: 347.

Doaks Stand, treaty of 18: 700 *sqq.*

Doakville, treaty of 18: 764 *sqq.*

Doanquod, grant of land to 18: 686.

Dobrizhoffer, Father M., quoted on Indian medicine-men 9: 459-463.

Dobbs, —

grant of land by 18: 629.

on Cherokee and Catawba population 19: 39.

Dobbs, Arthur

grant by 5: 145.

on Eskimo habitat 7: 73.

on Quivira 29: 566.

Doc. Coll. Hist. New York, on Menomini population 19: 1049.

Doc. of House of Rep. on Menomini use of wild rice 19: 1049.

Docduc land cessions and reservations 18: 786.

Dock

bitter, use of 44: 292, 350.

used in ceremonies 30: 98.

used in folklore 30: 85.

used in medicine 30: 59.

yellow, use of 44: 292.

See also **Rumex Crispus; Rumex Obtusifolius.**

Dock-spus, a Tâkspû'sh synonym 14: 743.

Doctoring. *See* **Medicine.**

Doctors

- activities of 46: 443.
- beliefs concerning 42: 626 sq.
- character of 46: 492.
- claims of, concerning spirits 42: 626.
- Eskimo 9: 422 sq.
- fear of 46: 485.
- insignia of 42: 618, 621.
- office of 46: 492 sq.
- official position of 44: 263.
- part taken by, in Hako ceremony 22, ii: 19.
- payment to 46: 423, 424.
- punishment for failure of 42: 631.
- specialization among 42: 638.
- supernatural fights of 42: 626 sq.
- training of 42: 617 sq., 619 sq.
- treatment of sick by 27: 487 sqq.; 42: 622, 623, 625.
- white, employment of 47: 245.
- witchcraft cured by 42: 634.
- See also Diseases; Divining Man; Medical Practice; Medicine-Men; Priests.*
- Doctress, Sia** 11: 133.
- Doctrine of the Ghost dance** 14: 777
- Dodd, Brown & Co., of St. Louis,** Missouri, obtain clay image 12: 225.
- Dodder,** vine used for divining the fidelity of a suitor 33: 110.
- Dodecatheon Jeffreyi** 45: 506, 507.
- Dodge, Agent —,** recommendation by, concerning Walker River and Pyramid Lake reserves 18: 873.
- Dodge, Gov. —,** on Menomini use of wild rice 19: 1049.
- Dodge, C. A.,** collection of pottery by 4: 430.
- Dodge, Chee,** blanket presented by 41: 116.
- Dodge, Col. Henry**
 - material collected by 24: 48.
 - presence of, with dragoons in 1834 17: 264.
- Dodge, J. R.,** cited 30: 41, 47.
- Dodge, Col. Richard Irving**
 - at Fort Gibson council (1834) 17: 169.
 - at Fort Gibson council (1837) 17: 170.
 - on abbreviations of signs 1: 339.
 - on aboriginal calendars 17: 143.

Dodge, Col. Richard Irving—Contd.

- on arrow chipping 13: 142.
- on arrow mounting 13: 178.
- on barbed and barbless arrows 13: 150.
- on ceremonial objects 13: 116.
- on classification of arrows 14: 278.
- on dice games, Cheyenne 24: 60 sq.
- on hand game, Comanche 24: 309.
- on hide-dressing with adze 13: 169 sq.
- on identity of sign language 1: 316, 335.
- on iron-tooth club 13: 144.
- on Kiowa tribal sign 17: 150.
- on pipes of Plains tribes 13: 128.
- on ring and pin, Cheyenne 24: 532 sq.
- on shinny, Nez Percés 24: 632.
- on stone implements in pemmican making 13: 88.
- on use of hammerstones by Sioux 13: 95.
- Dodge County, Nebr.,** reference to 27: 100.
- Do-don'-hon'-ga**
 - authority of 39: 279.
 - chosen leader of war party 39: 107, 109, 111.
 - duties of 39: 107, 144, 279.
 - songs referring to 39: 120-123.
 - wailing of 39: 138.
- Dó-édalte,** correction of Tó-édalte to 17: 445.
- Dog**
 - acts as guide 32: 121.
 - as a pack animal 42: 736.
 - basketry design 38: § 445.
 - buried with the master 38: § 849, 860.
 - castration of 38: § 719.
 - Cherokee myths concerning the 19: 261, 265, 280, 453.
 - Cherokee use of, for food 19: 25, 26.
 - disease caused by 26: 263.
 - domestic curs 38: § 721.
 - Eskimo beliefs concerning character of 18: 438 sq.
 - Eskimo employments of 18: 211.
 - for quail 38: § 181.
 - for turtle 38: § 215.

Dog—Continued

- great power given to owner of 32: 256.
 - habits of the 11: 225, 245.
 - hair of 35: 1317.
 - harness and accoutrements, Eskimo 18: 209 *sqq.*
 - hunting with 38: § 155.
 - in Iroquoian cosmology 21: 153.
 - in Pima legend 28: 61.
 - in Pima mythology 26: 212.
 - in Pima song 26: 315 *sq.*
 - in Tlingit funeral ceremony 26: 430.
 - in Tlingit mythology 26: 432, 433
 - indigenous 38: § 717, 718.
 - magic 32: 158.
 - name of Tlingit gaming stick 26: 444.
 - names in the Winnebago clan 27: 201, 211, 229.
 - ordeals for 38: § 162.
 - restored to life 32: 473.
 - Serian, Yuman and Piman names for 17: 297*, 342* *sq.*
 - signs for 1: 321, 387.
 - skin taken off of 35: 1256.
 - skull of, found at Chaves Pass ruin, features of 22, i: 27.
 - Stone Coat's 32: 178.
 - Tlingit charm 26: 453.
 - trails scent in air 32: 470.
 - turns to stone 32: 472.
 - use of, by Eskimo 11: 241, 309.
 - use of, by Pima 26: 84.
 - whip, Eskimo 11: 244.
 - wins ball game dressed as man 32: 235.
 - wins foot race dressed as man 32: 233.
- See also* **Dogs.**
- Dog Clan**, native name for 42: 116.
 - Dog Creek**, remains on 41: 496.
 - Dog Dance** 35: 895.
 - Dog Disease**, symptoms and treatment of 42: 641.
 - Dog-ear Symbol** in the codices 16: 239.
 - Dog-eye Symbol** in Mexican codices 16: 242.
 - Dog Fat.** *See* **Sä'riyo.**

Dog-fish

- skin of, for polishing 35: 104, 108.
- source of Tlingit personal names 26: 422.

Dog-fish Village 46: 69, 81.**Dog Flea**, string figure of 38: § 639.**Dog Images**, sacrifice of 16: 211.**Dog King**, young people corrected by 42: 364.**Dog-like Animals** in the codices 16: 226, 229.**Dog Men**

- a Cheyenne division 14: 1026.
- an Arapaho warrior order 14: 988.

Dog Rib, population of 7: 55.**Dog Ritual**, terminal 37: 432.**Dog River Indians**, a Kwikwúlit synonym 14: 741.**Dog-salmon**

- backbones of 35: 226, 229 *sq.*
- cheeks of 35: 231–234.
- customs relating to 35: 609.
- cutting of 35: 223, 224, 229, 306.
- first of season 35: 302, 350.
- fishing for 35: 223, 224.
- head of, roasted 35: 234.
- middle piece of 35: 225.
- pectoral fins of 35: 230 *sq.*
- quarter-dried 35: 236.
- refuse of 35: 304.
- roasting of 35: 223 *sqq.*, 305.
- spawn of 35: 235.
- split 35: 227 *sqq.*
- tail of 35: 226.

Dog Soldiers

- insignia of the 14: 987.
- sketch of the 14: 986.

Dog-star

- a sky deity 43: 74.
- mention of 43: 92.

Dog Warrior

- an influential chief 42: 323.
- chief of Upper towns 42: 322.

Dog Whippers, function of 42: 528.**Dogbane**

- roots of 44: 326.
- use of 44: 286, 336, 375; 45: 497, 498.

See also **Apocynum Androsamifolium.****Dogs**

- among the Kiowa 17: 153.
- among the Navaho 17: 484.
- among the Ponca 27: 49, 79.

Dogs—Continued

- and sledges of the Eskimo 6: 529-538.
- as beasts of burden 15: 174.
- attempt to save master by obstructing pursuer 32: 293.
- burial of, with owner 30: 149, 157.
- ceremonial eating of 14: 111; 15: 170; 46: 489, 491.
- ceremonial killing of 15: 303; 40: 39 *sq.*, 41.
- convey boys on journey 32: 292.
- description of 45: 350.
- discovery of 27: 72.
- eating of 45: 237, 242.
- eating of, at feast 37: 329.
- feast on, at Soldier's dance 46: 563.
- food of, restrictions 30: 292, 298, 320.
- game caught by, restrictions 30: 319.
- in Menomini myth 14: 179, 194.
- legend of 30: 151.
- legendary guardians of the Chickasaw 44: 178, 180.
- magic power of 32: 193.
- medicines for 45: 513 *sq.*
- mention of 46: 40, 43, 49, 50, 62, 73, 95, 103, 108, 109, 111, 114, 116, 319.
- mention of, in connection with Coronado expedition 14: 401, 405, 407.
- names of 30: 307.
- of the Eskimo 9: 357-360.
- ordeals of 30: 280 *sq.*
- preparation of, for eating 40: 40, 41.
- preparation of, for hunting 30: 282.
- protectors against enemies and witchcraft 35: 835.
- representation of, Florida mortuary pottery 20: 124.
- representation of, Iroquoian pipes 20: 174.
- restored to life 32: 221.
- sacrifice of 37: 428, 438, 451, 527.
- skin of, Eskimo clothing made of 18: 31, 39, 40.
- stories told of 42: 489, 496.
- superstitions concerning 42: 528.
- trade in 38: § 827.

Dogs—Continued

- training of 30: 282 *sq.*; 38: § 719, 720.
- use of, as food 42: 693, 694.
- use of, by Coeur d'Alène 45: 109.
- use of, by Plains Indians 14: 504, 507, 527, 570, 578; 45: 110.
- use of, for transportation 45: 249, 352.
- use of, in ceremony 40: 504, 511, 535.
- use of, in hunting 45: 243, 344.
- words for, and horse, comparison of 15: 174.
- See also Dog; Yä'páhe.*
- Dog's Revenge**, a Dakota fable 1: 587.
- Do'gu'at**, Kiowa name of the Wichita 14: 1095.
- Dogwood**
 - blossoms of, in Iroquoian cosmology 21: 282.
 - clan name from 30: 86.
 - medicinal use of 42: 660.
 - red 33: 107.
 - rough 33: 108.
 - use of 44: 288, 377; 45: 472, 475, 495.
 - use of, in basketry 41: 145.
 - use of, in ceremonies 30: 98.
 - See also Cornus Alternifolia; Cornus Rugosa.*
- Dogwood, Pacific** 45: 461, 496.
- Dogwood, Red-Osier**, use of 44: 288, 360, 369, 377; 45: 490.
- Dogwood, Western**, use of 45: 490.
- Dogwood Berries**, picking of 35: 220.
- Dogwood Clan**, reference to 47: 910.
- Dohá**. *See Dohásän.*
- Dohásän**, Kiowa chief
 - account of 17: 164, 233, 259, 263.
 - death of 17: 180, 318.
 - expedition accompanied by, in 1834 17: 262.
 - in war party against Mexicans 17: 302.
 - in Washita council of 1872 17: 191.
 - on expedition against Pawnee 17: 293.
 - portrait of 17: 175.
 - speech of 17: 176.
 - surrender of 17: 211.
 - treaty signed by, 1837 17: 269.

- Dohásän, Kiowa chief**—Continued
treaty signed by, 1865 17: 179.
visit to Fort Gibson by 17: 172.
- Dohásän Calendar**
description of 17: 143, 144.
whereabouts of 17: 146.
- Doháte.** *See* **Dohásän.**
- Dóhéñte**
conduct of Sun dance by 17: 337.
death of 17: 340.
- Doherty, Colonel**—, expedition against
Cherokee under 19: 75.
- Dohon, Kiowa name of the Mandan**
17: 159.
- Do'kǎñǎ, Comanche name for Wichita**
14: 1095.
- Dolbeare, Hannah, mention of** 43:
224.
- Dolichocephalic Type in the South-**
west 42: 677.
- Dolicos, for tying rafts** 38: § 802.
- Döll and Aschers, on scientific syno-**
nym for wild rice 19: 1021.
- Dolls**
ceremonial making of 15: 283, 286,
288.
Corn-maid, of the Hopi 17: 704.
curative powers of 30: 331, 347.
description of 30: 331, 350.
distribution of, in Powamú festival
21: 31, 39.
distribution of, to children 15: 288,
308.
festival of, Eskimo 18: 379.
fetish, Eskimo 18: 441.
figure showing 30: 332.
Hopi, symbolism of 16: 301.
Hopi representation of gods by 21:
15.
identification of 30: 331.
Kachina, given to children 47: 131.
making of 40: 297, 338.
of bark 46: 170.
of ivory 46: 78.
of the Chippewa 44: 379.
of the Eskimo 11: 197, 258; 18:
202, 342-345.
of the Eskimo children 9: 380 *sq.*
of the Guiana Indians 38: § 614.
symbolism of 15: 264.
use of 32: 77.
use of, as fetishes 47: 718.
See also **Cemi; Figurine.**
- Dolmens in Japan** 1: 115.
- Dolores Mission, reference to** 28:
54.
- Dolphin, legends of the** 30: 242.
- Domáñk'íago, Kiowa name of the**
Pawnee 17: 259.
- Domenech, L'Abbé Emmanuel**
cited 4: 251.
on Acoma 29: 544.
on Cuyamunque 29: 544.
on Laguna 29: 541.
on Nambe Pueblo 29: 358.
on Pojoaque 29: 334.
on Tesque 29: 387.
reference to Casa Blanca by 16: 80.
- Domestic**
customs, Indian 11: 119, 178, 183,
185, 205, 275, 299.
etiquette among the Omaha 3: 262.
implements of vegetal substances
from Zuñi 2: 370.
life among the Omaha 3: 258-275.
life of the Eskimo 9: 410-421.
- Domestic Animals of the Hopi** 17:
731.
- Domestic Implements and Requi-**
sites of the Guiana Indians 38:
p. 273-399.
- Domestic Pottery**
eastern United States 20: 25 *sqq.*
eastern United States, absence of
coloration in 20: 64, 66.
Florida Peninsula 20: 118 *sq.*
Gulf Coast 20: 104.
mention of 4: 272, 283, 306, 371.
Middle Atlantic province 20: 148
sqq.
Middle Mississippi Valley 20: 83.
New Jersey-New England province,
condition of, on exhumation 20:
175.
South Appalachian province 20:
132, 136.
See also **Uses.**
- Domestic Service, Guiana women in**
38: § 902.
- Domestication of Animals** 15:
xcviii, 170; 38: p. 551-556.
- Dominica**
agricultural race in 34: 26.
Carib still living in 34: 124.
celt from 34: 131.
culture area of 34: 123-128.
number of specimens from 34: 49.
old negro culture in 34: 124.
sacred lake of 34: 124.

- Dominical Days** 19: 705 sq.
- Dominguez, —**
 cited on establishment of post at Pitic 17: 72.
 quotations from dictionary of 14: 545.
- Dominoes**, primitive game of 11: 257.
- Donado**, ecclesiastical use of term 14: 400.
- Donaldson, —**, on the Iroquois 19: 485.
- Donaldson, Thomas**
 on Cochiti 29: 440.
 on Pogueate 29: 539.
 on San Juan 29: 213.
 on Sia 29: 518, 519.
 reference to work of 11: 501.
- Donaldson Place**, village site on 15: 69.
- Done**, finished, signs for 1: 513, 522, 528.
- Donehoo, Rev. George P.**, investigations of the Pennsylvania tribes by 31: 8; 32: 10.
- Donelson, Col. John**
 emigration party under 19: 56.
 on the Suck 19: 464.
- Donelson, S.**, grant of land to 18: 671.
- Doney, Benjamin**, objects collected by, from Arizona Pueblo 22, i: 39, 49 sq.
- Doniphan's Expedition**, reference to 28: 68.
- Donkeys** among the Pima 26: 86.
- Door Frames** of Navaho houses 17: 492.
- Doors**
 of Eskimo houses 18: 243, 244.
 of various kinds, description of 8: 182-194.
 string figure of 38: § 643, 681.
 to ground floor rooms of Zuñi 8: 143.
- Doorway**
 annular 8: 193.
 how sealed against intrusion 8: 110.
 in form of raven 35: 1119.
 Kin-tiel 8: 93.
 ornamented with skulls 31: 395.
 position of, in Tusayan 8: 103.
 separate 32: 118.
 stepped form, in Tusayan 8: 109.
- Doorway—Continued**
 use of 32: 75.
 Walpi kiva, closed with cottonwood slab 8: 64.
 window and chimney in one 8: 121.
- Doorways**
 Casa Grande 13: 314.
 cavate lodges 13: 222, 251.
 closed with masonry 8: 183, 187, 188, 189.
 in cliff dwellings 13: 347; 16: 102, 111, 125, 128, 134, 140, 145, 151.
 notched, in cliff dwellings 16: 138, 164.
 of cavate homes 17: 543, 552.
 partially closed 16: 165.
 why made small 8: 197.
 See also Openings.
- Doorways and Windows**, of Casa Grande 28: 81, 85 sq.
- Doracho**, cist burial 1: 115.
- Dorakuara**
 Odontophorus, called 38: § 180.
 usually among the first birds to be heard in the morning 38: § 869.
- Doran, A. J.**
 affidavit of 15: 335.
 contract with, for Casa Grande repair 15: 334.
- Dorantes, Andres**
 remains in Mexico to conduct explorations 14: 349.
 survivor of Narvaez Expedition 14: 348.
 traces of, found by Coronado 14: 505, 506.
 travels of 14: 474.
- Dorantes, Francisco**
 mistake for Andres Dorantes 14: 348.
 See also Cabeza de Vaca.
- Dorasque, Panama**, method of forming numbers 19: 917.
- Dorchester's Indian Policy** 18: 604, 605.
- Dorland, Dr. W. A. N.**, cited 30: 62.
- Dorman, Rushton M.**
 cited 12: 609, 675, 676.
 cited on Peruvian priests 9: 456.
- Dorsey, Dr. George A.**
 acknowledgments to 24: 29 sq.; 29: 12.
 ancient popguns excavated by 24: 758.

Dorsey, Dr. George A.—Continued

- Arapaho legend by 24: 619.
- information furnished by 24: 167.
- material collected by 24: 58, 70, 72, 85, 95, 99, 100, 101, 102, 131, 132, 133, 136, 137, 138, 177, 185, 188, 250, 268, 275, 278, 279, 282, 286, 290, 291, 292, 302, 305, 308, 311, 313, 318, 329, 330, 333, 358, 443, 444, 447, 468, 470, 472, 479, 480, 481, 490, 497, 537, 550, 555, 615, 625, 632, 642, 657, 659, 736, 741.
- models of altars prepared under direction of 19: XLVIII.
- name of game suggested by 24: 527 sq.
- on archery 24:
 - Arapaho 384.
 - Makah 395, 396.
 - Wichita 396.
- on ball juggling, Shoshoni 24: 713.
- on cat's cradle, Teton Dakota 24: 762.
- on dice game 24:
 - Assiniboin 177.
 - Blackfeet 58.
 - Grosventres 70, 71, 72.
 - Klamath 138.
 - Makah 198.
 - Navaho 95.
 - Pawnee 101.
 - Pomo 132.
 - Ponca 188 sq.
 - Skushash 137.
 - Uinta Ute 173.
 - Yankton Dakota 185, 186.
- on double ball 24:
 - Klamath 659.
 - Pawnee 658.
 - Wichita 658.
- on four-stick game 24:
 - Klamath 329.
 - Paiute 333.
- on hand game 24:
 - Arapaho 268.
 - Haida 318.
 - Klamath 292 sq.
 - Kutenai 286.
 - Makah 322.
 - Wasco 282.
 - Wichita 278, 279 sq.
- on hidden ball, Yankton Dakota 24: 318.

Dorsey, Dr. George A.—Continued

- on hoop and pole 24:
 - Arapaho 443.
 - Arikara 462.
 - Blackfeet 444.
 - Caddo 462 sq.
 - Grosventres 429, 447.
 - Hopi 497 sq.
 - Klamath 479-482.
 - Makah 522.
 - Pawnee 468 sq.
 - Wasco 478.
 - Wichita 470 sq.
 - on Quicha ceremony 19: 453.
 - on racket, Yanktonai Dakota 24: 614.
 - on ring and pin 24:
 - Assiniboin 555.
 - Grosventres 537.
 - Klamath 550.
 - Makah 559 sq.
 - Pomo 550.
 - Shoshoni 554.
 - on shinny 24:
 - Arikara 462, 624.
 - Grosventres 621 sq.
 - Makah 644.
 - Pawnee 658.
 - Wichita 626 sqq.
 - on shuttlecock, Makah 24: 719.
 - on snow-snake, Pawnee 24: 409.
 - on stick game 24:
 - Makah 264.
 - Puyallup 250.
 - on tops 24:
 - Klamath 741.
 - Makah 749.
 - Tsimshian 736.
 - pottery found at Homolobi by 22, i: 28, note.
 - Skidi Pawnee myth related by 24: 730.
 - somatologic observations of 23: xix.
 - Wichita legends related by 24: 804 sq.
 - work of 26: xxiv.
- Dorsey, Rev. James Owen**
- acknowledgments to 7: 142.
 - a Study of Siouan Cults by 11: 361.
 - Biloxi material of 30: 19.
 - Catawba work by 7: 112; 15: 159.

Dorsey, Rev. James Owen—Contd.
 cited concerning Omaha names 10: 92.
 contributor to Bureau 48: 1189.
 correction of error concerning Great Spirit 15: 182.
 edition of Riggs's Dakota Grammar by 24: 228.
 explanation of Osage records by 10: 251.
 linguistic work of 1: xvii; 5: xxxii; 6: xlviii; 14: xl, xlv; 29: 23.
 list of clans by 37: 191.
 list of names by 27: 221.
 memoir by, on Siouan mythology 15: xcix, 205-244.
 mistaken denial of signs 1: 326.
 monograph by 37: 181.
 notes on Indian personal names by 10: 446.
 obituary of 16: lxxxii; 48: 1221.
 office work of 6: xlviii.
 Omaha Sociology, paper on 3: 205-370.
 on archery game 24:
 Dakota 392 sq.
 Omaha 393 sq.
 Teton Dakota 392 sq.
 on Biloxi-Siouan affinity 15: 159.
 on bull-roarer, Teton Dakota 24: 750.
 on buzz implements, Teton Dakota 24: 757.
 on Crow habitat 7: 114.
 on dice games, Omaha 24: 187 sq.
 on double ball, Omaha 24: 663.
 on early Teton habitat 15: 190.
 on former Siouan habitat 15: 173.
 on former unification of Čegiha tribes 15: 191.
 on grouping of Siouan tipis 15: 172.
 on hidden ball, Omaha 24: 366.
 on history of Siouan tribes 15: 189.
 on hoop and pole, Omaha 24: 514 sqq.
 on hoop and pole, Teton Dakota 24: 508.
 on Indian customs 4: 52, 84, 86, 165, 167, 197.
 on Indian religious concepts 14: 39.
 on linguistic evidence of migration 15: 199.

Dorsey, Rev. James Owen—Contd.
 on manufacture of pottery by Omaha 20: 187 sq.
 on meaning of Absaruke 15: 198.
 on minor amusements, Teton Dakota 24: 715 sq.
 on Omaha-Arikara alliance 7: 60.
 on Omaha dwellings, furniture and implements 13: lv, 263-288.
 on Omaha game 14: 1008.
 on Omaha sociology 15: 228.
 on Osage population in 1873 15: 193.
 on Pacific Coast tribes 7: 54.
 on Ponca population in 1871 15: 192.
 on popgun, Teton Dakota 24: 759.
 on popular synonym for wild rice 19: 1023.
 on ring and pin, Teton Dakota 24: 557.
 on "Seven Council" fires 15: 167.
 on shinny, Omaha 24: 641 sq.
 on Siouan camping circles 14: 1058.
 on Siouan divisions 15: 159.
 on Siouan government 15: 188.
 on Siouan medicine 9: 452.
 on Siouan myths 19: 432, 433, 440, 448, 449, 452, 456, 459, 463, 465, 474.
 on Siouan names for the Sioux 14: 1057.
 on Siouan ordination 15: 178.
 on Siouan organization 15: 187.
 on Siouan totems and sachems 15: 184.
 on snow-snake, Omaha 24: 417, 419.
 on stick games, Omaha 24: 259.
 on stick games, Teton Dakota 24: 258.
 on swing, Teton Dakota 24: 731.
 on tipcat, Teton Dakota 24: 721.
 on tops, Teton Dakota 24: 746.
 on unclassified games, Teton Dakota 24: 783.
 operations of 13: xxvi, xxxiii, xxxix.
 paper by, on Osage traditions 6: 373-397.
 publication of memoirs by 17: lvi, lvii.

Dorsey, Rev. James Owen—Contd.
 remarks respecting Osage traditions
 by **6**: LV, LVI.
 report by, on use of colors by the
 Osage **10**: 221.
 review of report by **11**: XLIII.
 Siouan language studied by **15**:
 168.
 sketch of life of **15**: 207.
 studies of, in Amerindian symbolism
20: 100.
 study of fraternities and cults by
19: XLVIII.
 Takilman researches of **7**: 121.
 Tonty's Kwapa villages identified by
15: 193.
 value of researches of **15**: 183.
 work of **2**: XX; **3**: XXV; **8**:
 XXVIII sq.; **9**: XXXVII; **10**:
 XVIII sq.; **11**: XXIV, XXXI;
15: XXII, XXV, XXX, XXXIV,
 XXXIX, XLI, XLIII, XLIV, XLV,
 LIII, LVII, LXI, LXIV, LXVII,
 LXXIII, LXXIX, LXXXIII, XCVII;
16: XX, XXIV, XXVII, XXXI,
 XXXVI, XXXVIII, LXXI, LXXIII;
25: XVIII.
 Yakonan researches of **7**: 142.
Dotames, identification of **17**: 166.
Dots connected with Maya glyphs
16: 223, 224, 235, 238, 241, 243,
 254.
Doty, Governor —
 on dependence of fur trade on wild
 rice **19**: 1104.
 on dependence of fur traders on wild
 rice **19**: 1103.
 on Ojibwa eating wild rice in season
 with rabbit feces **19**: 1084.
Doty Island, Winnebago village on
37: 51, 80, 87.
Double Ball
 general description of **24**: 561, 562,
 647 sqq.
 played by the **24**:
 Achomawi 648, 661.
 Arikara 657.
 Cheyenne 647, 649.
 Chippewa 648, 650 sq.
 Cree 648, 652 sq.
 Dakota, Santee 663.
 Hopi 648 sq.
 Hupa 648, 656 sq.
 Kaoni 660 sq.

Double Ball—Continued

played by the **24**—continued

Klamath 648, 659.
 Maricopa 665.
 Menominee 653.
 Missisauga 648, 653 sq.
 Nishinam 661.
 Omaha 648, 663.
 Paiute 647, 662.
 Papago 648, 659 sq.
 Pawnee 657 sq.
 Pima 648, 660.
 Plains tribes 647.
 Sauk and Foxes 647, 654 sq.
 Shasta 648, 662.
 Shoshoni 648, 662.
 Tarahumare 648.
 Tepehuan 660.
 Ute (Uinta) 663.
 Wasama 659.
 Washo 664.
 Wichita 647, 658.
 Wintun 658.
 Yurok 664.

Double Buttes

dances held near **26**: 205.
 mortar cavities at **26**: 99.

Double-head (1)

expedition against Knoxville under
19: 75.
 hostility of, in 1794 **19**: 76.
 killing of **19**: 85.
 progressive leader **19**: 83.
 reservation for **19**: 85.
 treaty signed by (1806) **19**: 85.

Double-head (2)

Cherokee chief, secret agreement
 with **5**: 191, 192, 193.
 grant for **5**: 192, 193.
 leader in war with Creeks (?) **19**:
 384.

Double-head (3)

cessation of reserve for **18**: 684.
 reservation for **18**: 671.

Double-head Tract, controversy re-
 specting **5**: 192.**Double-headed Dance.**

description of **42**: 532.
 mention of **42**: 524.

Double-headed Serpent

carving of **35**: 805, 806, 1119.
 dance **35**: 959, 1085.
 dish **35**: 805, 849, 901, 1023, 1025.
 mask of **35**: 953.

- Double-headed Serpent**—Contd.
 mention of 35: 812, 820, 952, 1117.
 representation of 35: 816.
 sickness produced by spearing 35: 1118.
- Double Mountain House Group**,
 customs of 44: 207.
- Double-Star**, a sky deity 43: 74.
- Double Woman**, mythic 11: 480.
- Doubt**, sign for 1: 512.
- Dougherty**, —
 on firearms 13: 288.
 on games with cards 3: 341.
 on horse equipage 13: 280.
 on killickinnick 3: 310.
 on marriage customs 3: 259, 263.
 on number of children 3: 264.
 on Omaha bow-wood 13: 285.
 on Omaha child-bearing age 3: 267.
 on plumstone shooting 3: 334.
- Dougherty, Cornelius**
 establishment of, as trader among Cherokee 19: 31.
 Wafford's relationship with 19: 238.
- Doughnuts**, preparation of 30: 71.
- Douglas, General** —, defeat of Texas Cherokee by 19: 145.
- Douglas, Professor** —, remarks by, on cup sculptures 10: 198.
- Douglas, Dr. A. E.**, date fixed by, from charred timbers 48: 10.
- Douglas Fir**
 medicinal use of 45: 474, 494, 505.
 use of, as food 45: 483.
- Douglas Spruce**, use of, in ceremonies 30: 97.
- Douglass**, —, report concerning Paiute timber reserve by 18: 833.
- Douglass, James**, visit of, to Big Bone Lick 42: 790.
- Douglass, W. B.**
 data collected by 29: 20.
 on Bald Mountain 29: 125.
- Douseman, H. L.**, mound on land of 12: 68.
- Dove**, in Pima tales 26: 245, 250.
- Dove Clan**. *See* Hüwû.
- Doves, Two Little**, story about 43: 349-353.
- Dow, Lorenzo**
 on the Kentucky revival 14: 943.
 trail followed by 42: 828.
- Dowling, Thomas, jr.**
 acknowledgments to 15: 17; 20: 16.
- Dowling, Thomas, jr.**—Continued
 collections of 15: 69, 125.
 quartzite blades found by 15: 79.
- Dowling Place**, chipped stones found on 15: 69.
- Down**
 eagle, symbolism of 22, ii: 41, 236, 247.
 of birds in ceremonial observances 9: 533 *sqq.*
- Down-fended**, definition of 21: 142, 255.
- "Down-fended" Virgin** 32: 510.
- Down Roll**, in Pima mythology 26: 366.
- Downing, Alfred**, petroglyphs described by 10: 123.
- Downs, Miss Mildred**
 assistance of 38: p. 15
 work of 37: 19, 20.
- Doyle**, —, quoted on Colonial policy toward Indians 18: 600, 609, 632.
- Dozier, Father Thomas S.**
 acknowledgments to 29: 38.
 material collected by 24: 368.
 on archery, Tewa 24: 395.
 on ball race, Tewa 24: 681.
 on dice games, Tewa 24: 194.
 on European games, Tewa 24: 797.
 on hidden ball, Tewa 24: 368 *sq.*
 on shinny, Tewa 24: 643.
 on stone throwing, Tewa 24: 728.
 on tops, Tewa 24: 748.
 reference to 29: 224; 47: 304.
- Drab Flute (Macileñya) Altar**, at Mishongnovi 19: 989.
- Dracontium Dubium**, for snake bite 38: § 929.
- Drag Handles**, used by the Eskimo 18: 172.
- Dragging-Canoe**
 chief of Chickamauga band 19: 63.
 enmity to Americans of 19: 54.
- Dragon Fly**
 as a sign of rain 17: 630; 38: § 938.
 as a symbol 39: 50.
 design on Pueblo pottery, cut showing 22, i: 147.
 in Cherokee lore 19: 431.
 in Pima mythology 26: 363 *sq.*
 in Pima song 26: 294.
 reference to the 22, i: 81.

Dragon Fly—Continued

string figure of 38: § 691.
symbol on pottery 17: 669, 680
sqq.

Dragonfly Clan, error regarding 42: 120.

Dragon's Head, effigy of, in Santa Rita mound 19: 689.

Dragoons

expedition of, in 1834 17: 169.
First, expedition of, among the Kiowa 17: 262 sq.

Dragoon Fork

application of name 28: 199.

See also **Sycamore Canyon**.

Drags for hauling seal 9: 256-259.

Drainage of roof, relations of certain roof openings to 8: 203 sq.

Drains

in Casa Blanca 16: 110.
of roofs, description of 8: 153-156.
See also **Roof Drains**.

Drake, —

on Cherokee chiefs in Creek war 19: 97.

on Cherokee government 19: 107.

on Chief McGillivray 19: 210.

on Chief McIntosh 19: 217.

on Creek war 19: 90-93, 96.

on events preceding removal 19: 125.

on Fort Mims massacre 19: 216.

on Georgia acts affecting Cherokee 19: 117, 221.

on imprisonment of missionaries 19: 120.

on Indian civilized government 19: 113.

on Ross's arrest 19: 123.

on scalping by whites 19: 209.

on Shawano 19: 495.

on Tecumtha 19: 216.

on Wayne's victory 19: 213.

on Weatherford 19: 217.

on Rev. S. A. Worcester 19: 218.

Drake, B.

on losses at Prophet's Town 14: 689.

on Tecumtha 14: 672, 684, 686, 691.

Drake, Daniel, description of shell vessels by 2: 197.

Drake, Francis, on Indian giants 14: 485.

Drake, Samuel G.

advocates Indian origin of mounds 5: 84.

on Assiniboin population 15: 191.

on Crow habitat in 1834 15: 98.

on mound-builders 12: 600.

quoted on Massachusetts' Indian policy 18: 607.

Drama

absence of, among Omaha 27: 369.

closing ceremonies of 23: 203, 204.

division of, how made 23: 181.

nature and development of 19: LXXVII-LXXXI.

participants in 23: 182.

participants in, feast of 23: 197.

participants in, selection of 23: 181.

reasons for 23: 180.

table of participants in 23: 181, 182.

Zuñi, definition of 13: 375.

Dramatic Element in Tusayan ritual 15: 253.

Dramaturgy among Siouan tribes 15: 169.

Draper, Dr. Lyman C.

on Eleazer Williams 14: 23.

on Indian trade in maple sugar 20: 33.

quoted on Oshkosh 14: 46.

quoted on Tshe katsha kemau 14: 45.

Draper, Va., trail by 42: 759.

Draper's Meadows, references to massacre of 42: 742.

Draves Mound, location of 37: 99.

Drawing

by the Eskimo 18: 197 sq.

instruments for 10: 219.

Drawing Knife, occurrence of, in Georgia mound 20: 139.

Dream

chief told of powerful enemy to be met 32: 346.

of supernatural being 35: 946.

warning against very large man 32: 344.

warning to attack enemy 32: 345.

warning to change course of warpath 32: 342.

Dream Designs

discussion of 41: 301 sqq.

explanation of 41: 451.

Dream Designs—Continued

use of 41: 339.

use of the term 41: 387.

Dream Spirit, belief in 30: 152 sq., 154.

Dream Wi'-gi-e, mention of 45: 610-614.

Dream Word, guessing of 32: 597.

Dreamer Religion in the Northwest 14: 713, 719.

Dreamer Society of the Menomini 14: 63, 157-171.

Dreams

among the Tlingit 26: 459.

as omens 35: 642, 643.

as part of Shaker religion 14: 748.

as viewed by the Pima 26: 253 sq. belief in 42: 515.

beliefs concerning 11: 200, 395, 500, 510, 516; 30: 165, 342; 43: 274 sq., 44: 255; 46: 494 sq.; 47: 247, 481.

confounded by Indians 14: 666.

designs connected with 45: 428-431.

divination by 14: 716, 723.

effect of certain 14: 262.

explanation of 35: 725.

heraldic designs revealed in 23: XXIII.

importance attached to 42: 409.

in ancient times 14: 929.

Indian belief in 14: 673.

influence of, among northern Indians 11: 272.

interpretation of 30: 341 sq.

Kiowa regard for 17: 237.

legends concerning 30: 342.

meaning of 35: 707, 708.

means of inducing 35: 707.

mention of 33: 334, 356, 374, 376, 456, 500, 502, 522, 618, 651, 654, 656; 35: 1328.

Pima notion of 28: 50.

relation of, to visions, in Pawnee philosophy 22, ii: 121, 122.

scarification as a result of 14: 898.

sexual, meaning of 35: 642, 643.

symbols adopted after 46: 412.

testing magic power of 32: 394-398.

Wi'-gi-e of 39: 138-144.

with Pima medicine-men 26: 257.

Dreams—Continued

See also **Dream; Hypnotism; Trance; Visions.**

Drennan, John, authorized to pay Cherokee claims 5: 312.

Drennon's Lick, Ky.

buffalo roads to 42: 742.

trail to 42: 788.

Drennon's Springs, mention of 42: 788.

Dresden Codex

ahau symbol in 16: 263.

akbal symbol in 16: 221.

ben symbol in 16: 245.

bird symbols in 16: 225, 251.

burden-bearers symbolized in 16: 247.

caban day symbol in 16: 254.

ceh symbol in 16: 249.

chac symbol in 16: 225 sq.

chuen symbol in 16: 241.

cib symbol in 16: 231.

cimi symbol in 16: 231.

cited 19: 715-732, 757, 758, 793, 794, 797, 799, 805, 808, 813, 814, 815.

discussion of symbols in 16: 213, 233, 240, 255, 260, 261.

Dominical days of 19: 705.

eb symbol in 16: 243.

figures from, illustrating Mayan chronologic system 22, i: 217, 259, 282, 297.

ix symbol in 16: 248.

kan symbol in 16: 229.

long-nose deity in 16: 258.

men symbol in 16: 250.

mention of 3: 23.

mol symbol in 16: 224, 238.

muluc symbol in 16: 237, 238.

numerals in 6: 261-338.

oc symbol in 16: 239.

plates from, discussion of 22, i: 237 sqq., 243-248, 286-290.

quetzal symbol in 16: 224.

serpent symbol in 16: 256.

vigesimal system used in 22, i: 234.

xul symbol in 16: 225.

Dress

ceremonial, of the Menomini 14: 74, 264.

change in, of Lower Creeks 42: 332.

Cherokee, in 1800 19: 82.

Dress—Continued

- Cherokee, in 1819 19: 137.
- description of 45: 70, 71, 336.
- East Cherokee 19: 166, 176.
- for burial 47: 482 *sq.*
- for dances 42: 524 *sq.*, 671.
- head 38: § 518.
- of ball players, myth concerning 42: 157.
- of fire-makers 42: 583, 594.
- of maturing girls 35: 701.
- of men 47: 232.
- of Omaha dancers 3: 344, 346, 348, 349, 350, 352, 353.
- of priests 42: 710.
- of Southeast tribes 42: 681 *sqq.*, 685 *sq.*
- of the Chickasaw 44: 241.
- of the dead 44: 241.
- of the Tsimshian in olden times 31: 52.
- of Upper Creeks 42: 333.
- of warrior when crowned 42: 420.
- of women 47: 232.
- of women, Kwakiutl 35: 118, 186, 189, 195, 197, 198, 200, 208, 210, 213, 219, 221.
- of women, Okanagan 45: 233.
- representation of, on effigy vases, Middle Mississippi Valley group 20: 57.
- See also* **Adornment; Clothing; Costumes; Headdress.**

Dress and Adornment

- of the Zuñi 23: 369-372.
- of the Zuñi men 23: 369, 370.
- of the Zuñi women 23: 370, 371.
- used in Ojibwa dances 7: 298, 299.

Dress and Ornament of the Tsimshian

31: 398.

Dreuilletes, G., on the Green Bay tribes

14: 51.

Drew, Colonel —

- commander of Cherokee regiment 19: 149.
- of the Cherokee Confederate Regiment 5: 329.

Drew, Benjamin, on Schiller's "Burial Song"

1: 110.

Drew, E. P., on Siuslaw habitat

7: 134.

Drew's Ranch

- reference to 28: 210.
- ruins on 28: 211.

Drexel Mission during Wounded Knee trouble

14: 874.

Dried Buffalo Skull, mystery decoration of

11: 396.

Drifting Goose's Band, land cessions and reservations by

18: 896, 902.

Driftwood

Eskimo building of 18: 244, 246, 252, 258.

Eskimo implements made of 18: 116.

Eskimo transportation apparatus made of 18: 206, 217.

mention of 46: 182, 183.

on Alaskan coast, abundance of 18: 24.

use of, for burials 46: 90.

use of, for fuel 35: 181, 256, 281, 287, 296.

Driftwood Mountain in Pima myth

26: 213.

Drill

balances from Sikyatki graves 17: 740.

bows of the Eskimo 9: 176-182; 18: 82 *sqq.*caps of the Eskimo 18: 84 *sq.*

fire, of the Navaho 17: 501.

Drilling (1)

Eskimo clothing made of 18: 32.

Eskimo tents made of 18: 260.

Eskimo transportation apparatus made of 18: 217.

Drilling (2)

by the Guiana Indians 38: § 19, 20.

by the Menomini 14: 264.

how accomplished 13: 164.

with grass stalks 13: 279.

Drills

classification of 44: 94.

discussion of 15: 85.

distribution of 15: 142.

of the Eskimo 9: 175-182, 189; 18: 76, 81 *sq.*

use of, as projectile points 15: 83.

See also **Perforator.****Drink**

dance and debauchery 38: § 583.

for visitors 38: § 280, 810, 811.

sign for 1: 301, 344, 357.

souring of 30: 180.

use of vessels to hold, in burial 20: 39, 40.

Drink—Continued

varieties of 38: p. 226-234.

*See also Drinks.***Drinker, The**

in Pima legend 28: 43 sq., 61.

in Pima mythology 26: 212 sq.

Drinking

and eating 38: p. 235-239.

before and after meals 35: 377.

before meals 35: 314, 319, 321,
327, 328, 331, 334, 347, 352, 356,
367, 380.

custom, to obtain luck 42: 521.

reeds and tubes, use of, among In-
dians 9: 493-498.

vessels of the Eskimo 9: 101-105.

vessels of the Omaha 13: 277.

Drinking Cupsceremonial, Gulf Coast group 20:
107.in imitation of conch shells, Middle
Mississippi Valley group 20: 94.

of the Seri Indians 17: 185* sq.

*See also Domestic Pottery.***Drinking Trough** 38: § 377.**Drinking Tube** 35: 700.**Drinks**and drugs used by Indian medicine-
men 9: 454, 455 sq.

of the Chippewa 44: 317.

of the Omaha 3: 209.

of the Point Barrow Eskimo 9: 64
sq.*See also Drink.***Driving for Game** 38: § 157.**Drives** of waterfowl made by Eskimo
18: 135.**Dropseed Grass**, use of, in mats 30:
81.**Droppers**

discussion of 41: 368 sqq.

Lillooet work distinguished by 41:
242.use of, in ornamentation 41: 230,
231, 232.**Dropsy**

among the Indians 4: 113.

remedies for 42: 655, 657, 663, 665.

Drought, Pueblo fear of 23: 181.**Drowning**, reluctance to interfere with
the 30: 181 sq.**Drowning Bear.** *See Yonaguska.***Drugs**, Zuñi use of 47: 489.**Druggist's Mortar.** *See Mortar.***Druí**, dance club 38: § 593.**Drum, Colonel** —

Indian police praised by 14: 860.

ordered to arrest Sitting Bull 14:
855.**Drum**appearance of, in pictures of Hopi
kateinas 21: 107.

at Pecos 14: 491.

ceremonial filling of 40: 97.

ceremonial making of 40: 41.

ceremonial preparation of 40: 40.

description of 27: 371; 37: 384.

in Caddo mythology 14: 1093.

in Crow dance 14: 922.

in Feast of Hoⁿ'hewachi 27: 500
sq., 507.in Hethu'shka Society ceremonies
27: 461, 466.in Pebble society ceremonies 27:
566.in Shell society ceremonies 27: 520,
523, 533.

in Smohalla ritual 14: 725.

in treatment of disease 27: 582 sq.

in war 38: § 758.

medicine of the Menomini 14: 77,
112.

mystic power of 14: 93.

of the Guiana Indians 38: § 577-
581.of the Kwakiutl 35: 320, 763,
772, 789.

of the Nenenot 11: 322, 324.

of the Paiute 15: 276.

significance of 14: 159.

symbol in Maya codex 16: 224.

Tlingit house group name 26: 404.

used at dances 44: 257.

used in ceremony 30: 43, 55.

used in Menomini jugglery 14: 63.

used in moccasin game 14: 242,
243.used in Tusayan ceremonies 15:
278, 280, 282, 285, 297.*See also Drums.***Drum-beating.** *See Musical Ac-*
*companiment.***Drummer**appearance of, in Hopi festivals 21:
94.

duties of 40: 277

Drums

- ceremonial, of the Hako 22, ii: 247.
- construction of 42: 521, 600.
- description of 46: 619.
- importance of 45: 164.
- magic 10: 514-517.
- of kachinas 47: 873.
- of the ancient Chiriqui 6: 157, 160.
- of the Cherokee 19: 397, 493, 503.
- of the Eskimo 9: 385; 18: 350-353.
- of the Omaha 13: 282.
- pottery, use of, by American aborigines 20: 34 *sq.*
- use of, in procession 47: 319
- See also* **Drum.**

Drumsticks

- appearance of, in pictures of Hopi kachinas 21: 107.
- of the Eskimo 9: 388.

Drunken Dance

- description of 42: 534.
- season closed with 42: 534, 556, 610.

Drunken Man's Dance, description of 44: 257.**Drunkenness**

- absence of, at Cibola 14: 518.
- account of 27: 618 *sq.*
- among the Creeks 42: 433.
- among the Guiana Indians 38: § 280.
- among the Menomini 14: 34.
- among the Tahus 14: 574.
- broken up among Omahas 3: 370.

Dry. *See* **Sika'tcu.****Drying**

- Catawba pottery 20: 54, 55.
- Cherokee pottery 20: 56.
- eastern United States pottery 20: 52.
- Pawnee pottery 20: 59.
- See also* **Manufacture.**

Drying-frame, for making berry cakes 35: 260, 271, 278.**Drying of the World**, Zuñi myth 2: 13.**Drying Rack**

- for seaweed 35: 293.
- mention of 35: 233, 238.

Drymocalis Arguta, use of 44: 289, 338, 344, 350.**Dsilyi' Neyáni**

- home of the bears seen by 5: 447 *sqq.*
- introduction of ceremonials by 5: 409 *sqq.*
- origin of the name 5: 404.
- prayer to 5: 420, 421, 465.
- return of, to the gods 5: 417.
- story of 5: 387-417.
- tradition of great interest in study of Indian myths 5: XLV.
- visit of, to Lodge of Dew 5: 450, 451.
- visit of, to the home of the snakes 5: 446, 447.

Dsilyídje qaçâl

- ceremonies of 5: 418-444.
- origin of myth of 5: 387-417.
- sacrifices of 5: 451-455.
- the great pictures of 5: 444-451.

Du Chesneau, —, quoted on French policy toward Indians 18: 549.**Du Halde**, P., cited on cords worn by Tibetan lamas 9: 561.**Du Pratz**, Le Page

- Caluça described by 42: 39.
- description of pottery by 4: 371.
- description of temple by 41: 507 *sq.*
- on Caddoan habitat 7: 61.
- on certain southern tribes 7: 66.
- on hoop and pole, Cherokee, Creeks 24: 487.
- on hoop and pole, Natchez 24: 488.
- on Indian salt making 20: 31.
- on Louisiana basketry 13: 16.
- on Louisiana cane rafts 13: 15.
- on Louisiana clothing 13: 22, 25, 32, 33.
- on Louisiana dyes 13: 20.
- on Louisiana embroidery 13: 28.
- on Louisiana feather work 13: 27.
- on Louisiana nets 13: 27.
- on Louisiana sieves 13: 17.
- on Louisiana textile cradles 13: 18.
- on Natchez organization 42: 91.
- on Oto habitat 15: 195.
- on pottery making by Louisiana Indians 20: 57, 102.
- on the Na'htchi language 7: 96.
- on tossed ball, Natchez 24: 710.
- on use of color by Natchez 20: 63.

Du Pratz, Le Page—Continued

on use of shell for tempering by Nat-chitoches 20: 48.

quoted 12: 617, 653, 665, 677, 682.

Du Tertre, —, mention of 25: 68.

Dual Divisions

among the Chickasaw 44: 193.

discussion of 44: 193-196.

of clans, names of 42: 156 *sq.*

of clans, origin myth of 42: 157.

Dual Existence of animals, Eskimo belief in 18: 394 *sq.*, 425.

Du'bamo'thin, remarks of 27: 637 *sq.*

Dublin, J. L., mention of 46: 322.

Dubois, Barent, informations from 42: 505, 510.

Dubuque County, Iowa, mounds in 5: 31, 32.

Duburi-kaiasanna, type of fan 38: § 367.

Ducalli, fruit-glue for stone-chip grater 38: § 335.

Ducatel, Prof. I. I.

on double ball, Chippewa 24: 650.

on hidden ball, Chippewa 24: 341 *sq.*

on racket, Chippewa 24: 567.

on ring and pin, Chippewa 24: 534.

on snow-snake, Chippewa 24: 401.

Duchi, native name for seat 34: 246.

Duck

a man-being in Iroquoian cosmology 21: 175.

domestication of the 38: § 724.

hunting of the 38: § 182.

importance of, as gleaners of wasted wild rice 19: 1098 *sq.*

in Arapaho mythology 14: 959.

in Menomini mythology 14: 163, 203, 254.

in Pima mythology 26: 232, 248.

in Zuñi mythology 13: 407.

mythic part played by the, in bringing wild rice to the Ojibwa 19: 1094.

myths concerning, Cherokee 19: 266 *sq.*, 412.

personation of, in Hopi ceremony 16: 308.

pottery figure of 38: § 96.

representations of, Florida Peninsula pottery 20: 123, 124, 126.

Duck—Continued

representations of, Gulf Coast pottery 20: 107, 108.

skin of, Eskimo ceremonial objects made of 18: 419.

skin of, Eskimo clothing made of 18: 31.

See also **Bird; Ducks.**

Duck Dance

description of 42: 529 *sq.*; 46: 562.

mention of 42: 523, 524.

Duck Katcina. *See* **Pawik.**

Duck River, Tenn.

fortified Indian town on 41: 496.

petroglyphs on 10: 114.

trail from settlements on 42: 853.

Duck-shaped Vessel from Cheylon, cut showing 22, i: 67.

Duck Valley Reserve

authority for establishment of 18: 828.

change in 18: 920.

establishment of 18: 890.

Ducklar, taming of 38: § 724.

Ducks

Eskimo method of catching 18: 134 *sq.*

eyes of, used as dice 32: 354.

heads, necks, and breasts of, in Hako ceremony 22, ii: 20.

legend concerning 30: 124 *sq.*

Seri method of catching 17: 191*.

symbolism of 22, ii: 21, 40, 175.

throwing stones at, causes snow-storm 31: 449.

use of, to paddle canoes 32: 218, 221, 222.

See also **Duck.**

Duckworth, W. L. H., cited 46: 230, 231, 256, 306, 307, 313, 326, 368.

Ducoin, Ellen

grant of land to 18: 665.

See also **Decoigne.**

Duddeley, Sir Robert, journey of, through Trinidad 34: 64.

Duelling among northern Indians 11: 271.

Duerden, Dr. J. E.

Antillean pottery figured by 25: 189.

on certain mortars 25: 106.

on Jamaican amulets 25: 140.

on Jamaican idols 25: 198 *sq.*

- Duerden, Dr. J. E.**—Continued
on Jamaican pestles 25: 105.
on Jamaican pictography 25: 148.
- Duff, N. Francis**, on prehistoric ruins of Rio Tularosa 22, i: 180.
- Duflot de Mofras, Eugène de**
cited 7: 92.
on Pimería, quoted by Buschmann 26: 76.
Soledad, language of 7: 102.
- Dufouri, Rev. J. H.**, on Tesuque 29: 387.
- Dufur, H. H.**, report on Warm Springs Reserve by 18: 946.
- Dugout**
corial, etc. 38: § 792-797.
mention of 37: 123.
- Duhos**
Antillean 25: 157, 200 sq., 202-207.
from Battowia 34: 89.
grinders mistaken for 34: 222.
of stone 34: 223-226.
- Duk-Duk Mask** 3: 99 sqq.
- Dukwalli**, mask ceremony 3: 107 sqq.
- Dulhut, Daniel Greyselon**, cited on Indian beliefs 11: 43.
- Dull Knife**, a Cheyenne leader 14: 1025.
- Dumas, Alexandre**, on Sicilian signs 1: 295.
- Dumbarton Heights**, quarry shops in 15: 62, 116.
- Dumb-bell Mounds** 37: 93, 100.
- Dummer, Jeremiah**, quoted on Maine's Indian policy 18: 609.
- Dummor, Gov. W.**, treaty made by 43: 174.
- Dumont, —**, description of pottery by 4: 275, 276, 371.
- Dumont, Enrique**, on Porto Rican pictography 25: 149.
- Dumont, G. M.**, cited 12: 653, 657, 682, 686.
- Dumont, M. Butel de**
on house burial 1: 124.
See also Butel-Dumont.
- Dumpling Dance**
mention of 42: 561, 606.
performance of 42: 610.
- Dunbar, John B.**
on archery, Pawnee 24: 386.
on ethnology of the Arapaho 14: 1013.
- Dunbar, John B.**—Continued
on hoop and pole, Pawnee 24: 463 sq.
on Pawnee runners 17: 260.
on Pawnee chronology 17: 370 sq.
quoted on Pawnee habitat 7: 60.
- Dunbar, Mrs. R. E.**, on tribal games, Catawba 24: 611.
- Dunbar, U. S. J.**
lay figures modeled by 16: LVIII.
quarry figures prepared by 15: 44.
- Duncan—**
New Metla Katla founded by 26: 414.
quoted 31: 44 sq.
- Duncan, Prof. Clinton**, on effect of Georgia laws against Cherokee 19: 118.
- Duncan, Robert**, on moccasin game, Delawares 24: 342 sq.
- Duncan, William**, settlement of Chimmesyan tribes by 7: 65.
- Dundy, Judge —**, on legal status of Indians 27: 51.
- Dunlap, General —**, on removal treaty, etc. 19: 128.
- Dunlap, Robert**, acknowledgments to 14: 655.
- Dunlap, R. G.**, speech of, on Cherokee affairs 5: 285.
- Dunlap, Mrs. R. R.**, on football, Catawba 24: 704.
- Dunlop, W. W. C.**, amulet sent by 43: 18.
- Dunmoi, Laura**, Äpiatañ's letter read by 14: 911.
- Dunmore War**, use of trails in 42: 766, 767.
- Dunn, —**, in Sioux outbreak 14: 865.
- Dunn, D. R.**
acknowledgments to 19: 13.
on McNair's grave 19: 222.
- Dunn, Jacob P.**
acknowledgments to 29: 12.
linguistic work of 29: 23.
manuscript by 30: 24.
manuscript deposited by 36: 28.
mention of 32: 28.
study of, of tribes of the Middle West 31: 8, 20; 32: 10.
work of 30: 10, 21; 34: 24 sq.
- Dunn, John**, on hand game, Chinook 24: 282.

- Dunn, John**, inclosure on farm of 12: 513.
- Dunning, E. O.**
 exploration of mounds in East Tennessee by 12: 359, 369.
 on stone grave mounds in Valley of the Little Tennessee 5: 78, 79.
 pins collected by 2: 215.
 shell ornaments collected by 2: 272.
- Dupe**, sign for 1: 305.
- Duponceau Collection**, Salishan vocabulary of the 7: 103.
- Dupuis, —**, cited on castration of priests of Cybele 9: 454.
- Durability** of Potomac-Chesapeake ware 20: 151.
- Duralde, M.**, linguistic material of 30: 18.
- Duran, Diego**
 interpretation of calendars by 3: 44 *sqq.*, 48, 49, 53.
 on clay eating by Mexicans 9: 538.
 on cords among the Mexicans 9: 558.
 on Indian drinking tubes 9: 495, 496.
 on Indian idol of dough 9: 524, 525, 529.
 on Mexican headdress 9: 582.
 on Mexican priests 9: 454, 456, 464.
 on sacred meal of Indians 9: 510.
 on the Teotileco 15: 272.
- Duran y Châvas, Don Fernando**, mention of 47: 28.
- Durango**
 a Mexican state 14: 545.
 Kiowa raids near 17: 165.
 mines in 14: 476.
 province of New Spain 14: 353.
- Durant, George**, purchase of land by 18: 625 *sq.*
- Durkheim, Prof. Émile**, mention of 31: 516, 517.
- Duro, Cesáreo F.**
 on Acoma 29: 543.
 on Jemez 29: 403.
- Duru Tree**, on which the clusters of edible caterpillars are found 38: § 223.
- Duruy, S. E. M.**, reproduction of Mexican manuscripts by 3: 18.
- D'Urville (Dumont?)**, on New Holland masks 3: 18.
- Dust**
 from Christian churches, superstitions concerning 9: 537.
 signals 1: 541.
- Dust Shower**, story of 45: 291 *sq.*
- Dutch (1)**
 claim to lands in America, basis of 18: 528.
 of Brazil, petroglyphs attributed to 10: 150.
 policy of the, toward Indians 18: 575-579, 587, 591, 592, 612.
- Dutch (2)**
 mention of 19: 141.
See also Tahchee.
- Dutch-Indian Trade** 38: § 829.
- Dutton, C. E.**
 cliff-ruin region described by 16: 82.
 on significance of Dzacatan 16: 224.
 on submerged trees of Columbia River 14: 722.
- Duty**, Eskimo feeling of 18: 294.
- Duval County, Fla.**, bowl from 20: 123.
- Dwamish** land cessions and reservations 18: 798, 834, 864, 868.
- Dwarf People**
 Eskimo legend of 18: 480 *sq.*
 mention of 32: 61.
- Dwarfs**
 at war with birds 31: 455.
 belief in, Chickasaw 44: 256.
 belief in, Coeur d'Alène 45: 180.
 belief in, Flathead 45: 383.
 belief in, Guiana Indian 30: 363.
 belief in, Mohegan-Pequot 43: 261.
 belief in, Okanagan 45: 290.
 belief in, Sioux 11: 481.
 inhabit a country beyond the sea, Tsimshian 31: 455.
See also Pygmies.
- Dwellers-Below**, a division of the Osage tribe 36: 45.
- Dwellers-in-the-Thorny-Thicket**, a division of the Osage tribe 36: 45.
- Dwellers-in-the-Upland-Forest**, a division of the Osage tribe 36: 45.

Dwellers-upon-the-Hilltop, a division of the Osage tribe 36: 45.

Dwelling

sites, definition of 12: 31.
treatment of, in Hako ceremony 22, ii: 33, 34.

Dwellings

bark houses 27: 74, 78.
construction of 42: 688.
covered with birch bark 44: 389.
earth lodge 27: 75 sq.
furniture and implements of the Omaha 13: XLIV, LIV, 263-288.
general description of 27: 95-99.
in Colorado Valley 13: 357.
interior arrangement of 26: 334, 337, 362.
mention of 40: 338.
of chiefs on mounds 12: 650, 653, 669.
of Indians 11: 223, 298.
of Indians shown in figures 12: 621, 623.
of the ancient Zuñi 13: 361.
of the Menomini 14: 253.
of the Missouri River tribes 17: 158.
of the mound-builders 12: 661-664.
of the Seri 17: 221*-224*.
of the Seri, location of 17: 148* sq.
of the Shoshoni 17: 160.
of the Southeast 42: 687 sq.
of the Southern Indians 12: 665.
origin of 27: 71.
pictographs of 10: 719-722.
property of the women 27: 326.
remains of mound builders 12: 106, 203, 208, 209, 227, 229.
Seward Peninsula 46: 90.
tipi 27: 76.
wattle work 13: 13.
Yukon 46: 46, 58, 60, 82.
See also **Architecture; Habitations; Houses.**

Dwight, Theodore, quoted on Connecticut's Indian policy 18: 611 sq.

Dwight Mission

establishment of 19: 136.
provision for removal of 19: 140.

95719°—33—22

Dyar, L. S.

material collected by 24: 137, 331.
on four-stick game, Klamath 24: 331.

Dyea, Tlingit town 26: 397.

Dyeing

among the Eskimo 18: 117.
among the Flathead 45: 327.
among the Navaho 3: 377.
embroidery materials 13: 28.
lost art of 30: 80.
of basketry by the Cherokee 13: 16.
plants used for 30: 80, 88, 97.
process of, among the Chippewa 44: 369.

Dyeing and Staining

plants used for 33:
bloodroot 83.
cottonwood buds 72, 73.
dodder 110.
Kentucky coffee tree 90.
lamb's quarter 78.
lichens 63.
poke berry 79.
soft maple 107.
sumac 100.
walnut 74.

Dyer, Agent —, letter of 4: 160 sq.

Dyer, A. C., killed at Wounded Knee 14: 872.

Dyer, D. B.

acknowledgments to 14: 655.
guide on visit to Wovoka 14: 768.
interpreter on visit to Wokova 14: 771.

Dyes

formulae for 44: 370-374.
materials used for 45: 43 sq.
mineral substance used in 44: 370.
of the Okanagan 45: 218.
plants used in making 44: 369; 45: 500 sq.
preparation of 27: 346.
specimens of, Zuñi 2: 372.
use of, by Louisiana Indians 13: 20.
use of, by Navahos 3: 377.
use of, by Thompson Indians 41: 147 sq.

Dyes, Pima

blood of jackrabbit 26: 96.
cochineal 26: 96.
diamond dyes 26: 161.

Dyes, Pima—Continued

ocher 26: 150.

purple 26: 117.

red and blue 26: 143.

roots of *Krameria parvifolia* 26: 118.*See also Paint.***Dyestuffs, native** 46: 591.**Dymock, —, cited** 30: 42.**Dysentery**among the Pima 26: 263, 266 *sqq.*

treatment of 38: § 927; 42: 659, 660, 664, 668; 44: 344.

Dzendzenx'q!ayo 35: 815.**Dzhe Manido**, the guardian spirit of the Midewiwin 7: 163, 166.**Dzhibai Midewigān** or "Ghost Lodge" 7: 278–281.**Dzikin**, a former cacique 47: 44.**Dzitsistās**, a synonym of the Cheyenne 14: 1023.**Dzōnoq!wa** 35: 1026, 1122.**Dzōnoq!wa Dish** 35: 756, 806, 807, 813, 814, 1024, 1040.**Dzōnoq!wa Ladle** 35: 1024.**Dzōnoq!wa-of-the-Sea Dish** 35: 816.**Dzōnoq!wa Post** 35: 806.**Dzō'seqwai'o**, genealogy of 14: 57.**E****E day symbol, discussion of** 16: 243.**Eagle**

absence of, in public Buffalo dance 21: 43.

aged, wi'-gi-e of the 36: 88 *sq.*

as a symbol 39: 50, 218.

as a war emblem 39: 205, 306.

as watchman 35: 856.

association of, with rain 30: 267.

association of, with Tha'tada gens 27: 42.

black, killing of 30: 318.

bone whistles used by medicine-men 14: 868.

breast feathers of, symbolism of 22, ii: 22, 47.

breast feathers of, use of, in Hako ceremony 22, ii: 26, 58.

brown, identity of 22, ii: 20.

brown, symbolism of 22, ii: 20, 21, 42, 173, 194, 339.

Eagle—Continued

brown, treatment of, in Hako ceremony 22, ii: 29.

cages of the Zuñi 8: 214.

carvings of 2: 146.

characterization of 37: 441.

clubbing of, to death 31: 404.

collar bone of 35: 443.

connection of, with pipe 27: 162.

connection of, with Shell society 27: 512, 559.

dance 35: 1004.

dish 35: 805, 814, 849.

down of, symbolism of 22, ii: 41, 236, 247.

embodiment of spirit of sun as 21: 16.

feathers of, use of, in Hako ceremony 22, ii: 20.

fetish of the Zuñi 2: 29.

golden, a life symbol 36: 104.

guard of chestnut tree 32: 150.

harpy, taming of 38: § 724.

how regarded 15: 171.

in Ponca tradition 27: 47.

in Tewa conception 29: 43.

mention of the 35: 781, 784.

method of obtaining feathers of 19: 492 *sq.*myths and lore concerning 11: 47, 104, 510; 19: 281 *sqq.*, 286 *sq.*, 293 *sq.*, 367 *sq.*, 453, 456.

name of 35: 785.

offering to, in War-bundle feast 37: 429, 436, 451.

part in rites 27: 159.

personation of, in Palülukoñti festival 21: 43.

plume decoration 15: 269.

plucking of, and ceremonies over 23: 114.

portent of 30: 275.

red, a life symbol 36: 124.

reference to 27: 204.

representation of, in Pebble society 27: 566.

representation of, on Ghost shirt 14: 798, 823.

representation of, on Gulf Coast pottery 20: 107, 109, 114.

representation of, on Iroquoian pipes 20: 174.

representation of, on Lower Mississippi Valley pottery 20: 104.

Eagle—Continued

- representation of sun by 21: 122.
- sacred regard for the 14: 919, 982, 992, 1072, 1100.
- shooting of, to secure wife 23: 141.
- spotted, a life symbol 36: 118.
- string figure of 38: § 684, 685.
- supernatural power of 42: 634.
- symbolic use of, in Hopi kateina pictures 21: 77.
- symbolism of, in Hako ceremony 22, ii: 40, 99, 100.
- symbolism of, in Hopi ceremonies 21: 67.
- town emblem of Coweta 42: 243.
- treatment of, in Hako ceremony 22, ii: 111-117.
- use and ceremonial burial of 22, i: 28, note.
- use of feathers of 19: 396.
- use of tail feathers of 35: 635, 673, 677, 681, 682, 692.
- value placed on 42: 495.
- vision of, Ghost dance 14: 917.
- when killed by the Caddo 14: 1093, 1100.
- white, identity of 22, ii: 21.
- white, symbolism of 22, ii: 21, 192, 288.
- wings of, use of, in Hako ceremony 22, ii: 19, 20.
- wooden, use of 42: 503.
- See also Bird; Eagle, among the Pima; Eagle, among the Tlingit; etc.; Eagles; Feathers; Kwahu.*

Eagle, among the Pima.

- held captive for feathers 26: 86.
- hemorrhage caused by 26: 263.
- in mythology 26: 219 *sqq.*, 229, 238, 240, 248, 249, 341, 344.
- in song 26: 277 *sq.*, 287 *sqq.*, 291, 292, 306, 316, 319, 333.

Eagle, among the Tlingit.

- claws of, as shaman's talisman 26: 464, 465.
- crest animal 26: 415, 455.
- down, in mythology 26: 461.
- down, use of 26: 451, 464.
- house group name 26: 401, 404, 405, 406.
- in mythology 26: 432, 434.
- mask of 26: 436.
- representation of 26: 468.

Eagle, among the Tlingit—Continued

- source of personal names 26: 405, 406, 422.
- source of simile 26: 429.

Eagle, The

- in Pima legends 28: 45, 52.
- in Zuñi mythology 13: 436.

Eagle Burial (Casa Grande), references to 28: 93, 110.**Eagle Chief**, offering to, in War-bundle feast 37: 429, 461, 536.**Eagle Clan**

- chiefs selected from 42: 148.
- native names for 42: 116.
- of little importance 37: 220.
- size of 47: 35.
- story concerning 42: 109.

Eagle Disease, symptoms and treatment of 42: 644.**Eagle Down**

- for singers 35: 720.
- mention of 35: 678, 682, 726, 735, 1165, 1166, 1221.
- symbolizing snow 35: 633.
- used by shaman 35: 721, 726.
- used in Winter ceremonial 35: 899.

Eagle Down Fraternity (*U'huhukwe*)

- anthropic gods of 23: 526.
- closing ceremonies of 23: 525 *sq.*
- fetishes of, ceremony with 23: 523.
- of the Zuñi 23: 522-527.
- prayer plumes of 23: 522, 523 *sq.*

Eagle-down Fraternity

- account of 30: 38.
- medicine of 30: 61.

Eagle Feathers

- appearance of, in Hopi pictures 21: 65, 68-72, 82, 84, 90 *sqq.*, 97-100, 102, 103, 106 *sqq.*, 110-113, 117, 118, 119.
- as war decorations 27: 438 *sq.*, 441.
- as war decorations, Ponca 27: 440.
- badge of distinction 46: 449.
- breast, in representations of Hopi kateinas 21: 68, 121.
- employment of, in dress of Hopi kateinas 21: 66.
- Eskimo ceremonial objects made of 18: 415 *sq.*
- in Cohonimo ceremony 14: 813.
- in Wa'wa ceremony 27: 376 *sq.*, 397 *sq.*
- Kiowa trade in 17: 336.
- on Ghost shirts 14: 798.

Eagle Feathers—Continued

- on heads of heralds 27: 500.
- on war bonnet 27: 446 *sqq.*
- on Washa'be (staff) 27: 276.
- peculiarity of, in dress of Kohonimi 21: 85.
- sacred use of 14: 992.
- song pertaining to 14: 1100.
- symbol of old age 36: 71.
- symbolism of 42: 36; 45: 157, 555.
- use of 45: 74; 47: 500, 660, 863.
- use of, as warrior symbol by Teak-waina 21: 63.
- use of, by Wovoka 14: 776.
- use of, in ceremony 39: 251.
- used in Ghost dance 14: 916, 979, 1099, 1101.
- used in hypnotism 14: 923, 925.
- value of 46: 589.

Eagle Gens. *See* Ho'-ga A-hiu-toⁿ Gens.**Eagle Harbor** 46: 185.**Eagle-Heart**, escape from arrest of 17: 329.**Eagle Katcina.** *See* Kwahu.**Eagle Mills**, village site near 15: 79.**Eagle Mountain, Calif.**, references to 28: 36, 47.**Eagle Nest House**

- description of 33: 166.
- description of Room I 33: 168.
- doorway in 33: 170.
- masonry of 33: 170.

Eagle People

- a division of the Corn people 47: 272.
- migration legend of the 8: 28.
- mythic pueblo of the 29: 571.
- officials of the 47: 273.
- origin of the 47: 362.

Eagle Phratry

- standing of, among the Tlingit 26: 455.

See also Wolf Phratry.

Eagle Pipe, flight of, to Bad Lands 14: 884.**Eagle Plumes** in Hopi rites 17: 589.**Eagle Point, Iowa**, mounds at 5: 32.**Eagle Shrine** at Tukinobi 17: 589.**Eagle Symbol**

- appearance of, in pictures of Hopi katchinas 21: 103.
- in the codices 16: 251.

Eagles

- carved 35: 805, 810.
 - feathers of, used as fans 40: 211.
 - feathers of, used ceremonially 40: 103, 213, 225.
 - head of, appearance of, in pictures of Hopi katchinas 21: 77.
 - how caught. 4: 105.
 - how trapped by the Arapaho 14: 992.
 - in Menomini mythology 14: 92, 131, 166, 217.
 - kept by the Hopi 17: 731.
 - kept by the Pueblo Indians 14: 992.
 - method of capturing 45: 104.
 - not domesticated 47: 211.
 - of Kwag'uł 35: 820 *sqq.*
 - rank of 35: 1080.
 - tame, kept by Indians 14: 516.
- See also* Eagle.

Eakins, D. W.

- customs of Muskogi Indians described by 10: 258.
- information furnished by 42: 78, 318.

Eaman, C. B., witness to Casa Grande contract 15: 334.**Eames, Wilberforce.**

- acknowledgments to 14: 339; 29: 12.
- work of 26: xxv.

Ear

- ache 38: § 925.
- beliefs concerning the 43: 95.
- ornaments worn in the 42: 95.
- shouting into the, of a corpse 38: § 864.

See also Dog-ear; Ears.

Ear Disks, copper, clay cores for 20: 43, 141 *sq.***Ear Flaps**, of the Eskimo 18: 37 *sq.***Ear Ornaments**

- American pottery 20: 25, 42, 43.
- mention of 35: 728; 42: 685; 45: 85, 339 *sq.*
- Middle Mississippi Valley pottery 20: 83.
- shown by Valley figurines 20: 184.

Ear Pendants

- appearance of, in pictures of Hopi katchinas 21: 84.
- from Pueblo ruins, cuts showing 22, i: 86, 87.

Ear Pendants—Continued

- from Pueblo ruins, discovery of 22, i: 86, 91.
- mention of 25: 99.
- use of, in decoration of Teutkutû 21: 67.

Earrings

- and beads, Eskimo 18: 52.
- made of gold 34: 230.
- modern 37: 109.
- of the Eskimo 9: 142 *sq.*
- See also Ear Disks; etc.*

Ear Shell, use of, as ornaments 28: 143.**Earle, —, death of 17: 344.****Earle, Charles T., collections made by 41: 43, 72; 43: 18.****Earle, Col. Elias**

- attempted establishment of iron works by 19: 86.
- negotiation for iron ore tract of Cherokee Nation by 5: 199, 200.

Earle, F. S.

- engagement of, on special work 12: 19.
- examination of certain ancient works by 12: 181.
- copper plate from mound obtained by 12: 308.
- figured copper plate in stone grave found by 12: 701.

Early County, Ga.

- prevalence of stamped ware in 20: 135.
- thick-rimmed bowls from 20: 112, 113.

Early Migrations of the Çegiha tribe 3: 211 *sqq.***Ears**

- Catawba method of adding to vases 20: 54.
- Northwestern pottery 20: 200.
- of death's head vases, modeling of 20: 97.
- pulling of 30: 372.
- Western Eskimo 46: 215, 249, 252.
- Yukon Eskimo 46: 162.
- Yukon Indians 46: 244.
- See also Ear; etc.*

Earth

- as a supernatural being 47: 66.
- beliefs concerning 11: 386, 424, 438, 522; 46: 414; 47: 487.
- believed to be flat 31: 454.

Earth—Continued

- called "Mother" 45: 176.
 - characterization of 37: 440.
 - conception of, as an island 40: 79, 583.
 - conception of, as deity 37: 286.
 - creation myth of the 32: 460.
 - eating of 9: 537-540; 38: § 253.
 - Eskimo buildings of 18: 245.
 - formations, symbolic 11: 427.
 - in creation legend 27: 570 *sq.*
 - in Mohave mythology 26: 239.
 - in Omaha conception 27: 117, 134, 600.
 - in Pima song 26: 272 *sq.*
 - in Tewa conception 29: 45, 52 *sq.*
 - in Tlingit mythology 26: 451, 452.
 - Indian conception of the 42: 477, 480.
 - journey to end of 32: 238.
 - Menomini personification of 14: 87.
 - offering to the, at War-bundle feast 37: 430, 449, 459, 469, 501, 536.
 - personification of the 14: 1096, 1099; 36: 48, 51.
 - pictographs on 10: 210 *sqq.*
 - powers, description of 11: 427.
 - regard for the, in Hako ceremony 22, ii: 59.
 - regeneration of the 14: 959, 1054, 1073.
 - representation of 22, ii: 21, 22.
 - represented by gens 43: 30.
 - sacred regard for the 14: 918.
 - Serian and Yuman names for the 17: 341* *sq.*
 - songs connected with the 39: 358-362, 362-364.
 - symbolized in Shell society 27: 513 *sq.*, 517, 559 *sq.*
 - treatment of 22, ii: 30, 31, 44, 46.
 - turtle as symbol of 14: 976.
 - used in Pueblo roof construction 8: 150.
- Earth Altar Man.** *See Nanoikusi.*
- Earth-Crack.** *See Tcuwut (Hakû-âny).*
- Earth Deity in Troano Codex 16: 216, 217.**

Earth Doctor

- in Pima legends 28: 49, 50.
- in Pima mythology 26: 206-230, 247 *sq.*, 343, 344.
- in Pima song 26: 272 *sq.*, 274.

Earth Goddess

of the Hopi 15: 312.
worship of the 21: 55.

Earth Grasper, myth of the 43: 470-608.

Earth Lodge

adopted from the Arikara 27: 75 sq., 112.
construction of 27: 339; 46: 579.
description of 27: 95, 97 sq.

Earth Magician

in Pima religion 26: 251.
in Pima song 26: 290, 327.

Earth Maker

a peace deity 37: 434.
attempt to secure blessing of 37: 291.
characterization of 37: 438 sq.
conception of 37: 285.
myth concerning 37: 168.
offering to, in War-bundle feast 37: 429, 430, 447, 455, 467, 503, 535.
world ruled by 37: 317.

Earth Mother

mention of, in prayers 30: 37.
plants derived from 30: 36.
symbol in Maya hieroglyphs 16: 251.
symbolism of 23: 20.

Earth Mounds 37: 76-103.

Earth Name, wi'-gi-e of 43: 44-50.

Earth Names

explanation of 43: 48, 49.
lists of 43: 52 sq.

Earth People

officials of 47: 271.
place of, in Omaha organization 27: 135-139.
the Yellow Corn group 47: 271.
See also Ho'n'gashenu.

Earth Symbol in Borgian Codex 16: 256.

Earth Winner

game of the, Navaho 24: 781.
mythical character of the, Navaho 24: 790.

Earthenware

of the Indians, mentioned by Castañeda 14: 511.
pot of, with stone cover 41: 520.
See also Pottery.

Earthly Paradise 33: 303.

Earthquake

effect of, on the Creek 14: 687.

Earthquake—Continued

in Cherokee country 19: 471.
mention of 46: 66.
myths concerning 14: 976.
near mouth of Colorado River 14: 501.
of 1887 26: 60.
reference to, in Cherokee song 14: 1028.

Earthquake People of the Piai, legend of 30: 378, 379.

Earthquake Symbol in the codices 16: 255.

Earthworks

ancient group of 42: 784.
at Aztalan 37: 88 sqq.
at Portsmouth 42: 785.
circular and crescent 12: 43, 44.
geometric, eastern side of Everglades 48: 4.
in Maine, field study of 20: x.
prehistoric, about South Portsmouth, Ky. 44: 491.

Earthworms, use of, as food 38: § 222.

East, character of tobacco pipes of the 20: 45, 98.

East Bow Creek, reference to 27: 99.

East Caicos, number of specimens from 34: 50.

East Cape

description of ruins at 18: 265.
description of villages at 18: 257 sq.
graves at 18: 320 sq.
mention of 46: 171.
ornaments from 18: 50.
people of 18: 26.
umiaks used at 18: 218.
utensils from 18: 63.

East Cape Eskimo

clothing of 18: 31.
language of 18: 25.
legend of origin of 18: 517 sq.
physical characteristics of 18: 27 sq.
tattooing by 18: 50, 51.

East Cherokee

conservatism of 19: 12.
history of 19: 57-181.
invitation of main band to 19: 151.
manuscript material obtained among 19: 112.
present status of 19: 227 sq.
removal to West of some of 19: 152.

East Cherokee—Continued

suit against main band by 19: 151
sq.

East Dubuque, Ill., mounds at 5:
34-38.

East Hampton Book of Laws, ex-
tracts from 18: 617 sq.

East Main Cree Dialect

examples in comparison with 28:
Potawatomi 268.
Menominee 269.

forms of 28: 245, 246, 252.

subjunctive mode in 28: 269.

East Mesa

ceremony, appearance of Sio mana
and Koyimsi in 21: 107.

derivation of Middle Mesa Natackas
from 21: 71.

Natackas, derivation of 21: 71.

of Hopi country, reference to 19:
579.

performance of, dance of Buli mana
at 21: 120.

reference to, Hopi 28: 192.

rituals at 19: 631 sqq.

ruins at 17: 581, 585.

East Tennessee

explorations in 5: xxii.

pottery from 20: 180 sqq.

trail from 42: 837.

Easter Island, Oceania, petroglyphs
in 10: 169 sqq.

Eastern Algonquian Languages

close connection among 28: 258.

consonantic clusters in 28: 234,
238, 246, 284.

examples in comparison with 28:

Cheyenne 233, 286.

Cree 233, 239, 257, 280.

Cree-Montagnais 286, 287, 288.

Delaware 257, 270, 278, 280, 287,
288.

Fox 257, 261, 270, 279 sq., 287,
288.

Malecite 269.

Menominee 257, 270.

Natick 253, 286, 288.

Ojibwa 257, 270, 287, 288.

Passamaquoddy 257.

Penobscot 269.

Peoria 257, 270.

Piegán 261.

Shawnee 257, 261, 270, 279 sq.,
287, 288.

**Eastern Algonquian Languages—
Continued**

independent mode in 28: 231.

relationships of 28: 231, 232, 275,
288, 289.

**Eastern-Central Algonquian Lan-
guages**, relationships of 28: 22,
229, 232, 237 sq., 289.

Eastern Dénés, hand games of the
24: 273.

Eastern Shore, pottery of the 20:
157 sq.

Eastern United States, pottery of
20: 3-201.

Eastern Tribes, shinny played by the
24: 617.

Eastman, purchase of land by 18:
606.

Eastman, Mrs. Mary ("Dahkotah"),
cited 4: 184, 189, 195, 241.

Eat, sign for 1: 301, 480.

Eat-all-up Feast 32: 515.

Eater. *See* Biāñk'i.

Eaters

a Cheyenne division 14: 1026

new name of winter dance society
35: 1158.

Eating

after dark, evil of 30: 184, 185.

bowls, clay, from Acoma 2: 405.

bowls, clay, from Cochiti 2: 408.

bowls, clay, from Laguna 2: 403.

bowls, clay, from San Juan 2: 416.

bowls, clay, from Santa Clara 2:
415.

bowls, clay, from Tesuke 2: 413.

bowls, clay, from Wolpi 2: 382.

bowls, clay, from Zuñi 2: 350.

customs relating to 35: 750; 40:
89, 225, 257.

many animals taboo among Tsim-
shian 31: 501 sq.

time and frequency of, among Point
Barrow Eskimo 9: 63 sq.

See also Domestic Pottery; Food.

Eating and Drinking of the Guiana
Indians 38: p. 226-234.

Eating Contest at War-bundle feast
37: 430.

Eaton, Captain —, Zuñi vocabulary
of 7: 139.

Eaton, John, on Indian population of
the United States 18: 537.

Eaton, John H.

appointed to negotiate treaty with Cherokee 5: 275.
commissioner to settle Cherokee claims 5: 298.

Eaton, Lieut. Col. J. H.

on Acoma 29: 544.
on Galisteo 29: 482.

Eaton, Theophilus, purchase of land by 18: 614 sq.

Eaton Township, Pa., vessel from 20: 166.

Eaves, lack of, in Tusayan houses 8: 102.

Eb day symbol, discussion of 16: 243.

Ebert, F. A.

controversy of, with Böttiger concerning Dresden Codex 6: 267.
description of Dresden Codex by 6: 263.

Ebita, cone-shaped lip ornament 38: § 503.

Ecanachaco. See **Holy Ground**.

Eccentric Forms

Florida pottery 20: 118, 119, 124.
Gulf Coast pottery 20: 105.
Middle Mississippi Valley pottery 20: 20, 85, 93 sq.
of pottery 4: 283, 307, 353, 380, 392, 403, 420 sqq.
South Appalachian pottery 20: 131.

See also **Forms**.

Ecclemacho. See **Esselen**.

Eche day symbol, discussion of 16: 248.

Echebool or **Echeloot**, a Tlaqluit synonym 14: 740.

Echeverria, —, on statistics of trephining 16: 16.

Echinacea Angustifolia 33: 131.

Echinocactus Wislizeni, Pima food plant 26: 77.

Echinopanax Horridum, use of 45: 459.

Echo

origin of, a Shawnee myth 1: 45 sqq.

Tewa name for 29: 60.

Echo God

Iroquois myth of the 2: 58.
powers of the 2: 52.

Echo Cave fireplace, description of 8: 168.

Echota

Cherokee capital and peace town 19: 14, 21, 207.

destruction of, in 1780 19: 58.

killing of Indians at 19: 74.

removal of capital from 19: 81.

sparing of, in 1776 19: 51.

trails of 42: 750, 751.

Eçka, meaning of the expression 27: 445, 572, 578.

Eclipse

beliefs concerning 19: 257, 441.

ceremony at Taos after an 31: 15.

effect of, at Cibola 14: 518.

Isleta attitude toward 47: 342.

of the sun, pictographs of 10: 722.

record of, in Kiowa calendar 17: 378.

Eclipses

beliefs concerning 45: 178; 46: 415.

calendar of, in Nevada 14: 774.

Eskimo beliefs concerning 18: 430 sq.

Guiana Indian ideas of 30: 254 sqq., 257 sqq.

how regarded by the Indians 4: 125; 14: 674.

in Tewa conception 29: 46.

observed by the Pima 26: 61, 63.

Paiute notion of 14: 773.

predicted by Smohalla 14: 720.

Wovoka entranced during 14: 771.

See also **Eclipse**.

Econchatimico, reservation for 18: 706.

Economic Life at Isleta 47: 211 sq.

Economic Plants 38: § 246.

Economics

discussion of 20: LXIV-LXXVIII.

elements of 20: LXVII.

Ecstasism, definition of 1: 36.

Eczema among the Pima 26: 268.

Edible Plants, nature and use of 30: 65-76.

Edicule from Guadeloupe 34: 136.

Editorial Work of the Bureau 20: XXIII; 24: XXXIII; 25: XXIII; 26: XXIX; 27: 12; 28: 19; etc.

Edson, Casper

Arapaho delegate to Wovoka 14: 900.

Wovoka's letter written by 14: 780.

Education

- as an agency of instruction 20:
CXCVI.
- discussion of need of 46: 466-470.
- how regarded by the Sioux 14: 837.
- of children 45: 281 *sq.*
- of Chickasaw children 44: 222 *sqq.*
- of Creek Indians 42: 363-367.
- of East Cherokee 19: 166.
- of Guiana Indians 38: § 912.
- of Pima Indians 26: 190 *sqq.*
- See also Christianity; Civilization;*
Schools; Syllabary.

Edwards, —

- on the Antilleans 25: 218.
- on the language of Stockbridge 28:
284, 290.
- reference to 28: 238.

Edwards, Captain —, in Sword-bearer
affair 14: 707.**Edwards, Frank S.**, on Pecos 29:
476.**Edwards, Hayden**, rebellion organ-
ized by 19: 143.**Edwards, N.**, Menomini treaty com-
missioner 14: 20, 21.**Edwardsville**

- confirmation of cession by treaty of
18: 742.
- treaties of 14: 692; 18: 692, 696
sqq.

Edznab day symbol, discussion of
16: 258.**Ee** day symbol, discussion of 16: 243.**Eeh** land cessions and reservations
18: 788.**Eek** 46: 192.**Eel**

- in Cherokee myth 19: 308.
- name of Tlingit gaming stick 26:
444.

Eel Grass

- eating of 35: 512.
- gathering of 35: 510.
- mention of 35: 335, 554.
- pole for gathering 35: 155.
- use of, in steaming food 35: 245.

Eel River. *See Miami (Eel River*
*Band).***Eells, Edwin**, attitude of, toward
Shaker religion 14: 756.**Eells, Rev. Myron**

- acknowledgments to 14: XLIII, 655.
- attitude of, toward Shaker religion
14: 756.

Eells, Rev. Myron—Continued

- linguistic literature 7: 24.
- material collected by 24: 155, 253,
303.
- on canoe burial 1: 171.
- on Chimakuan language and habitat
7: 62, 63.
- on dice game, Twana 24: 158.
- on dice used by various tribes 24:
155 *sq.*
- on gambling by Indians 24: 256 *sq.*
- on hand game, Twana 24: 304.
- on Shaker religion 14: 747.
- on Slocum's trance 14: 746.
- on Thunder-bird 4: 189.
- on Twana bark-stripping 13: 109.
- on Twana tattooing 4: 49, 64.
- reference to work of 11: 520.

Eenoolooapik, cited 6: 410, 425, 464.**Effigies**

- animal, finding of, in Pueblo ruins
22, i: 109.
- bone, ivory and stone 46: 88, 173.
- clay, from Cochiti 2: 408.
- clay, from Laguna 2: 402.
- clay, from Santa Clara 2: 416.
- clay, from Zuñi 2: 364.
- clay, use of, in burial, eastern United
States 20: 33.
- collection of Indian 3: 574.
- in Cálako ceremony 15: 296.
- use of, among the Eskimo 11: 260.

Effigy Bowls 34: 68, 70, 237; 38:
§ 98.**Effigy Mounds**

- area of distribution of 12: 530.
- as property marks 37: 79, 203.
- at Fond du Lac 37: 98.
- at Pishtaka 37: 94.
- attributed to Siouan tribes 12: 709.
- bear type 37: 90, 91, 99.
- bird type 37: 95, 99, 101.
- definition of 12: 31.
- discussion of 5: XL.
- distribution of 37: 78 *sq.*
- examination of 44: 494.
- explanation of 37: 39.
- goose, where found 37: 99.
- in Wisconsin 4: 61.
- made by the Winnebago 37: 76.
- mammal 37: 96, 101.
- mention of 10: 212.
- notices of 12: 49, 54, 55, 56-63,
69, 73, 84, 85, 86, 88, 90, 91, 98,
108, 493.

Effigy Mounds—Continued

- number of 37: 83.
- of the Dakotan district 12: 530.
- panther or water-spirit type 37: 90, 99.
- possible purpose of 37: 98.
- representations of clan animals 37: 79, 80, 98.
- significance of distribution 37: 49.
- size of, comparative 12: 533.
- turtle and allied forms 37: 96, 101.
- types found 37: 93, 98.
- unknown animals 37: 96.
- water-spirit type of, where found 37: 99.
- Wingra type 37: 94.
- Wisconsin, chiefly confined to 12: 531.

Effigy Pipes, South Appalachian group 20: 141.**Effigy Vases**

- from southern Arizona, description and figures of 22, i: 189-192.
- Middle Mississippi Valley group 20: 87.

See also Life Forms.

Egberts, —, casts made by 43: 18.**Egede, Hans**

- cited 6: 412.
- description of Eskimo deer hunt by 9: 265.
- description of Eskimo tents by 9: 85.
- on Eskimo bows 9: 199.
- on Eskimo burials 9: 427.
- on Eskimo burials of children 9: 426.
- on Eskimo customs at childbirth 9: 415.
- on Eskimo diet 9: 64.
- on Eskimo divorcee 9: 412.
- on Eskimo drinks 9: 65.
- on Eskimo exchange of wives 9: 413.
- on Eskimo fire-making 9: 029.
- on Eskimo fishing 9: 284 *sqq.*
- on Eskimo mortuary customs 9: 424.
- on Eskimo saws 9: 174.
- on Eskimo treatment of women 9: 414.
- on Eskimo umiak oars 9: 339, 343.
- on Eskimo umiak rowing 9: 335.

Egede, Hans—Continued

- on Eskimo whale hunting 9: 272, 275.
- on personal habits of Greenlanders 9: 421.
- on seal catching 9: 256, 269.
- work of, consulted 9: 22.

Egg

- eaten, bird's 38: § 163.
- eaten, of iguana 38: § 216.
- eaten, of toad frog 38: § 218.
- eaten, of turtle 38: § 163, 215.
- string figure of 38: § 685.

See also Eggs.

Egg, Broken, legend of 30: 323.**Eggleston, Edward, on Tecumtha** 19: 216.**Eggs**

- Eskimo methods of gathering 18: 133, 278.
- of birds, finding of, in grave in Pueblo ruins on Little Colorado River 22, i: 111.
- use of, as food 30: 381.

See also Egg.

Egoism

- in esthetic activities 19: LIX.
- of primitive thought 19: 830-833.
- of the Seri 17: 133*, 154* *sq.*

Egremont, Lord, on English policy toward Indians 18: 557.**Egret in Cherokee myth** 19: 284.**Egypt**

- Lower Mississippi Valley ware resembling that of 20: 103.
- petroglyphs in 10: 179 *sq.*

Egyptian

- characters connected with signs 1: 304, 355, 357, 358, 359, 370, 379, 380.
- tattooing 4: 78.
- use of cross 4: 253.
- writing 4: 13, 14.

Egyptians

- mourning ceremonies of 10: 631.
- myths of 19: 438.
- similarity of Indian mortuary offerings to those of 20: 40.
- symbolic characters of 10: 642, 643, 645.
- symbolic color of 10: 634.
- symbols of deities of 10: 466.

Ehecatl day symbol, discussion of 16: 215, 219, 220.

- Ehrenreich, P.**, cited 30: 121, 129, 133, 256.
- Eighteen-mile Spring, Ariz.**, ruin at 22, i: 127.
- Eixarch, Tomás**, reference to 28: 57.
- Ekilik** 46: 190.
- Ekkekuli**, description of 30: 172.
- Ekkishihi**, counting string 38: § 939.
- Eklutna School** 46: 37.
- Ekogmute** 46: 218, 221.
- Ekpik** 46: 202.
- Ekuk** 46: 190.
- El Bailarin**, naming of 44: 42.
- El Bebedor** in Pima mythology 26: 212 sq.
- El Bermejo, Fray** 25: 55.
- El Castillo**, Totonac pyramid 25: 249.
- El Dorado**, origin of 6: 35.
- El Infiernillo**, characters of 17: 45 sqq.
- El Juez Tarado**, Pima and Maricopa villages 26: 21.
- El Montecito**, mention of 44: 35.
- El Moro**
pictographs at 4: 28.
Spanish inscriptions at 13: 326.
- El Morro, New Mexico**, National Monument 28: 18.
- El Mudo**
account of Porter-Johnson episode by 17: 121 sq.
portrait of 17: 154.
rank of 17: 177.
stature of 17: 136.
- El Paso County, Tex.**, Indian map on rock in 10: 344.
- El Paso del Norte, Tex.**, petroglyphs near 10: 115.
- El Patillo**, ball race, Tarahumare 24: 677.
- El Picacho**, skirmish at, in Civil War 26: 48.
- El Puerto de Santa Barbara**, mention of 44: 35.
- El Rincón**, mention of 44: 35.
- El Siba**, ancient Pima chief 28: 55.
- El Tajin**, Totonac pyramid 25: 249, 273.
- El Toro Creek**, mention of 44: 35.
- Elab day symbol**, discussion of 16: 239.
- Elaborate Katcinas** of the Tusayan 15: 254, 268.
- Elaeagnus Argentea** 45: 496, 508.
- Elbow Stones**
arms of 34: 199 sq.
characteristic of Greater Antilles 34: 180.
comparison of, with collars 34: 200 sq., 207 sqq.
distribution of 34: 60, 199.
mention of 25: 182 sqq.; 34: 198-209.
theories concerning use of 34: 263 sqq.
with face in relief 34: 201, 202-206.
without face 34: 202, 206 sq.
- Elden Mountain**, excavation near 43: 2.
- Elden Pueblo**
collection from 44: 18.
description of 43: 2 sqq.
researches at 44: 2.
- Elder**
American, medicinal use of 45: 474.
European Red, use of 45: 489.
- Elder Bark**, medicinal use of 43: 265.
- Elder Flowers**, medicinal use of 43: 265.
- Elder Brother**, among the Pima
calendar arranged by 26: 36.
in mythology 26: 209-230, 248.
in religion 26: 251.
in song 26: 275-282, 288, 290, 304, 305, 309, 327, 334.
in tales 26: 245.
speech of 26: 339-346.
- Elder Household Gens** 36: 118.
- Elder Tree**, mythical story concerning 43: 59-90.
- Elder Wa-zha'-zhe Gens**, wi'-gi-e of 36: 92 sq.
- Elderberries**
hook for picking 35: 155.
mixed with salal-berries 35: 267.
picking of 35: 204, 567.
preservation of 35: 255-263.
unripe 35: 567.
- Elderberry**
bushes, why grow on graves 31: 62.
medicinal use of 42: 661.
- Elderberry Cakes**, eating of 35: 564.
- Eldodt, Samuel**
pottery collection of 29: 203.
reference to 29: 151, 217, 222.
- Eldon, Iowa**, mounds in 5: 33, 34.

- Elecampane**, medicinal use of 44: 266.
- Election**
 at Isleta 47: 251.
 date of 47: 289.
 for chieftainship 38: § 746-748.
 of officers 47: 60.
 of Omaha chiefs 3: 358.
- Electric Power**, use of 20: XLIII,
- Eleio** 33: 658.
- Elements**
 cults of the 11: 522.
 to cardinal points, reference to 3: 47 *sqq.*
 year, reference to 3: 49.
- Elements of Design** 41: 245-258.
- Elephant**
 arctic, at Big Bone Lick 42: 790.
 Cherokee name for 19: 265.
- Elephant Bed** at Kimmswick, Mo.,
 discussion of 44: 484-487.
- Elephant Mound**
 mention of 2: 152.
 pipes from 2: 155.
- Elephant Point**
 old sites 46: 171.
 ruins on 18: 264 *sq.*
- Eleutak** 46: 199.
- Eleuthera**, number of specimens from
 34: 50.
- Elevating**, method of, in trephining
 16: 56, 60.
- Eleventh Census of United States
 Indians**
 on Ojibwa tying wild rice 19: 1058.
 on wild rice harvest feasts 19: 1091.
- Elf**, story about 43: 339-343.
- Elgünwē**, The 35: 811, 1104.
- Eliche**
 Coweta "king" 42: 34.
 interpretation of name 42: 34.
- Eliot, John**, Natick forms obtained
 from 28: 272 *sq.*
- Elizondo, Domingo**, campaign against
 Seri by 17: 75.
- Elk**
 a life symbol 36: 109, 113.
 as man's helper, Osage 27: 63, 571.
 horns, appearance of, in Hopi kat-
 cinas 21: 60.
 hunting of 27: 271, 274; 46: 537.
 in Cherokee country 19: 263, 447.
 myth concerning 19: 467.
- Elk—Continued**
 rites connected with war, Osage 27:
 194.
 Spanish, connection with man 27:
 512.
 taboo among the Omaha 11: 412.
- Elk Clan**
 customs of the 37: 249.
 functions of the 37: 201, 249.
 origin of, myth of 37: 250.
 personal names of the 37: 250.
- Elk Game**, Oglala Dakota 24: 430,
 505.
- Elk Gens**
 mention of 3: 225-228; 36: 112-
 115.
 names 3: 227.
 personal names for 43: 141 *sq.*
 sacred tent of 3: 226.
 scouts of 3: 226.
 style of wearing the hair 3: 225.
 taboo of the 3: 225.
 worship of thunder by 3: 227.
See also We'zhi'shte Gens.
- Elk Horns**, mound of 46: 398.
- Elk People**
 myth of the 14: 182.
 Osage, reference to the 27: 63.
- Elk River**, remains on 42: 755.
- Elk River Valley, W. Va.**, mounds in
 5: 55.
- Elk Songs** 39: 338-344.
- Elk Teeth**, value of 46: 589.
- Elkhorn River**, references to 27: 88,
 89, 100, 408, 623.
- Ellesmere Land**, natives of 6: 459,
 460.
- Ellet, Mrs. Elizabeth Fries**
 on use of wild rice by early settlers
 19: 1104.
 on wild rice in Wisconsin 19: 1034.
- Ellicott, Andrew**, survey of Cherokee
 boundary by 5: 163 *sqq.*
- Elliott, —**, drawing by 18: 331 *sq.*
- Elliott, C. P.** 46: 333.
- Elliott, E. M.**, cooperation with 41:
 101.
- Elliott, George**, killed at Wounded
 Knee 14: 872.
- Elliott, W. M.**, on area of Porto Rico
 25: 21.
- Elliptical Houses** 38: § 307, 308.
- Ellis, Albert G.**
 on duck in Wisconsin 19: 1098.

Ellis, Albert G.—Continued

- on Eleazer Williams 14: 23.
- on Menomini gathering of wild rice 19: 1062, 1063.
- on Menomini land cessions 14: 22.
- on Menomini property right in wild rice 19: 1073.
- on Menomini threshing wild rice 19: 1067.
- on Menomini tying wild rice 19: 1058.
- on Menomini wild-rice broth 19: 1083.
- on popular synonym for wild rice 19: 1023.
- on selection of Menomini chief 14: 46.
- on the Stambaugh treaty 14: 29.
- on winnowing wild rice 19: 1070.
- Ellis, G. E.**, cited on Massachusetts history 18: 599.
- Ellis, H.**
 - cited on Eskimo fire-making 9: 290.
 - work of, consulted 9: 22.
- Ellsworth, Henry L.**
 - commissioner to report on the country assigned to the Indians of the West 5: 251.
 - commissioner to treat with the Cherokee 5: 249.
- Elm**
 - medicinal use of 43: 266.
 - slippery, medicinal use of 42: 665.
- Elm Cap** 33: 61.
- Eloot**, a Tlaqluit synonym 14: 740.
- Elopement**, Omaha marriage by 3: 260.
- Elsmereland**
 - ethnologic investigation in 21: xii.
 - visit of Robert Stein to 22, i: xiv.
- Elson**—
 - cited on Eskimo salutations 9: 422.
 - visit of, to Point Barrow 9: 65.
 - visit of, to Refuse Inlet, Alaska 9: 52.
- Elson Bay, Alaska**, location of 9: 27.
- Elvas, Knight of**
 - cited 42: 682, 702.
 - on De Soto's expedition 19: 24-27, 191-201.
 - on Georgia Indian blankets 13: 24.
 - on Georgia Indian costumes 13: 22.
 - on salt making by American aborigines 20: 28.

- Elves of the Siouan tribes** 11: 481.
- Ely, Prof. Richard T.**, acknowledgments to 19: 1019.
- Ely Mound** in Virginia 1: 295.
- Elymus Triticoides** 45: 499, 515.
- Émaä**, the Kiowa taíme guardian 17: 241.
- Emankina**, Biāñk'i's vision of 14: 910.
- Emathlochee**, reservation for 18: 706.
- E-maut-lau Hut-ke**, warrior of the Creek nation 42: 328.
- Embalmmment**
 - of Aleutian Islanders 1: 135, 136.
 - of Congaree and Santee Indians 1: 132, 133.
 - on mummification 1: 130.
- Embellishment.** *See* **Decoration.**
- Emblems**
 - distinguished from signs 1: 389.
 - signification of 10: 610 sq.
 - use of, in early and modern times 10: 373, 376.
- See also* **Crests.**
- Embroidery**
 - appearance of, in pictures of Hopi katchinas 21: 92.
 - lack of remains of 13: 12.
 - mention of 45: 46 sq., 73.
 - of the Southern Indians 13: 28.
- Emelik** 46: 207.
- Emergence**
 - Acoma myth of 47: 142-147.
 - Isleta myth of 47: 359-363.
 - singing the song of 47: 298.
- Emerson, Mrs. Ellen Russell**, cited on Indian customs 9: 490, 495.
- Emerson, Dr. Nathaniel B.**
 - acknowledgment to 29: 19.
 - work of 29: 19; 30: 10.
- Emesis**, ceremonial 47: 117, 132, 291.
- Emetic**
 - Adenopodium gossipifolium* as an 38: § 920.
 - Allamanda aubletii* used as 38: § 920.
- Emetics**
 - of the Guiana Indians 38: § 920.
 - of the Zuñi 30: 51, 55, 58, 59, 60.
 - plants used as 42: 657, 659, 670.
 - taken before ceremonials, purpose of 11: 87.

Emigration

- of the Sagdlirmiut 6: 618 *sqq.*
- to California 26: 30 *sqq.*

Emmert, John W.

- appointed assistant 12: 19.
- excavation of mounds in Monroe County, Tenn., by 12: 676.
- explorations of 5: xx, xxii, 74-77.
- field work of 6: xxvi, xxvii.
- mortuary fabrics procured by 13: 20.
- specimens of fraudulent articles procured by 12: 347.
- work of 7: xvii; 8: xix; 10: xi, xii.

Emmons, Lieut. George T.

- acknowledgment to 29: 12.
- collection made by 24: 130, 244, 245, 289; 29: 21.
- collection of obsidian blades obtained through 22, i: xxxix.
- on location and games of Tlingit 24: 245 *sq.*
- on Nanyaā'yī 26: 411.
- on stick games, Chilkat 24: 244.
- on stick games, Taku 24: 244, 245.
- on Tlingit basketry 26: 395.
- on Tlingit gaming sticks 26: 444.

Emory, —, study of ruins discovered by 19: xiv.**Emory, W. H.**

- on Acoma 29: 543.
- on Isleta 29: 529.
- visit of, to Casa Grande 13: 297.

Emory, Lieut. W. H.

- "Notes" by 26: 30.
- on building materials used at Pueblo Viejo 22, i: 177.
- on character of Pima 26: 198.
- on chickens and dogs among the Pima 26: 86.
- on dice game, Yuma 24: 209.
- on Pima ki 26: 155.
- on Pima livestock 26: 85.
- on Pima myth 26: 240.
- on Pima spinning 26: 148 *sq.*
- on Pueblo Viejo Valley in 1846 22, i: 174.
- on use of aguardiente by Pima 26: 62.
- visit of, to the Pima 7: 98.

Emory, Col. William H. (probably the same as the preceding three).

- on Casa Grande 28: 63 *sq.*
- work of 28: 44.

Emotional Language, evolution of 20: cxl-cxliv.**Emukfaw Creek, battle of 19: 92.****E-nagh-magh language of Lane 7: 122.****Enamels**

- use of, by American potters 20: 49.

See also Glaze.

Én-a-tsé-gi, Navaho name of Canyon de Chelly 16: 95.**Encaconados, Sonoran use of term 14: 358.****Encampment, regulations for, Wyandot 1: 64.****Encelia Farinosa, chewing gum from 26: 78.****Enchanted Mesa**

- exploration of 19: xiii-xix.
- story concerning 47: 25.

Enchanted Mountain, Ga.

- petroglyphs in 10: 76.
- rock carving on 4: 23.

Encinas, Anita, acknowledgments to 17: 20.**Encinas, Pascual**

- acknowledgments to 17: xli, xliv *sq.*, 13, 14, 20.
- effect on Seri of rule of 17: 114 *sq.*
- establishment of ranches by 17: 109-113.
- on Seri archery posture 17: 201*.
- on Seri population 17: 113, 135.
- portrait of 17: 13.
- relation to Seri of 17: 109-114, 277*, 278*.
- services rendered by 16: lxiii.
- visit to Seriland by 17: 111.
- war with Seri by 17: 112.

Encyclopedia, work on 17: xlviii.**Endogamy**

- among the Chickasaw 44: 199.
 - among the Chitimacha 42: 695.
 - among the Kwakiutl 35: 781.
- See also Incest.*

Endowment

- robe of the Mormons 14: 790.
- use of wealth for 20: lxxi.

Endurance

- of the Eskimo 18: 29

See also Flogging.

Eneeshur, a Tapānāsh synonym 14: 740.

Enema

use of, by the Chippewa 44: 331.
See also Bladder.

Enemata of Guiana 38: § 289, 921.

Energy, discussion of 19: LXIV.

Engelhardt, Prof. C. 1: 139.

Engelhardt, Father Zephyrin, assistance rendered by 45: 3 sq.

Engelmann Spruce, use of 45: 499, 505.

England

Cherokee visit to 19: 36.

enlistment of Tecumtha in service of 19: 88.

turf monuments in 10: 172 sq.

English

claim to land in America, basis of 18: 528.

explorations, Yukon 46: 128.

Indian belief of origin of 14: 721.

Indian regard for the 14: 676.

policy toward Indians 18: 549-561.

tools, occurrence of, in Georgia mounds 20: 139.

writers on the Southeast 42: 678, 679, 680.

See also European; Missionaries; Traders.

English (?) Clan, native name for 42: 116

English Language

influence of, on geographic nomenclature 19: 1115.

spread of, among the Zuñi 23: 382, 383.

English's Ferry, Va.

trail from Richmond to 42: 762.

See also Inglis' Ferry.

Engraved Celts 38: § 11.

Engraved Gorgets. *See* Gorgets.

Engraved Rocks 38: § 780, 781.

Engraved Shells

found in mounds 3: 61, 62.

mention of 12: 575.

Engraving. *See* Decoration; Incision; Paddles; Stamps.

Enigmatical Objects

from St. Vincent 34: 115-118.

of the Antilles 25: 96-99.

See also Problematical Objects.

Enlistment of Indians 17: 223.

Enlopado, drunk with parica 38: § 286.

Eno

as traders 42: 723.

hoop and pole game of the 24: 510.

mention of 42: 704.

town of, on Eno River 42: 776.

E-noⁿ-miⁿ-dse-toⁿ Gens

arrows made by priests of 39: 364.

life symbol of 36: 99.

wi'-gi-e of 36: 98-101.

Entochopco Creek, attack on Jackson at 19: 92.

Enriquez, Justo Garcia, owner of idol 25: 279.

Enriquez, Martin, plan of Cempoalan given to 25: 233.

Ensilage, practice of 38: § 231.

Entada Polystachya, for obtaining water in times of scarcity 38: § 254.

Enteatkeon, a tribe mentioned by Stevens 14: 736.

Entrails

eaten, of bush hog 38: § 167.

eaten, of deer 38: § 168.

eaten, of tapir 38: § 174, 272.

Entrances

uniformity of direction of, in Zuñi houses 8: 116.

See also Doorways.

Entyloma Crastophilum, destructive to wild rice 19: 1027.

Enumeration

development of language of 20: CLXIX.

methods of 38: § 939, 940.

Environment

adaptation of architecture to 8: 225, 226, 227, 228.

adjustment of Seri to 17: 157, 163*.

affecting habitations 4: 473.

affecting pottery 4: 483.

as a factor in culture 25: 21.

as affecting language 7: 141.

basketry affected by 41: 143.

ceremonials affected by 27: 261.

effect of, on potter's art 20: 22 sq., 24, 145, 146, 150, 159 sq.

effect of, on primitive people 17: 475.

influence of, on habitations 28: 187.

influence on Seri technique and mentality of 17: 266*, 268* sq.

of the Zuñi 47: 473 sq.

Environment—Continued

- progressive freedom from 17: 295*.
village sites influenced by 16: 153.
See also **Habitat**.

Environmental Influences on the Eskimo 46: 365.**Eokoro**, identified with Arikara 15: 190.**Eototo**

- clan and mythic personage of 19: 605.
derivation of 21: 125.
description of 21: 76 *sq.*
identity of, with Masawû 21: 38.
origin of name of 21: 77.
participation in Powamû festival by 21: 67.
personification of 15: 297.

E'pea, Biāñk'î's vision of 14: 910.**Epel**, a being opposed to God 30: 130.**Ephedra Antisyphilitica** Berland, Pima medicine 26: 80.**Epicampes**, medicine men and 30: 333.**Epidemics**

- among the Alaskan natives 46: 107, 130, 133, 171.
among the Kwahadk' 26: 59.
among the Pima 26: 52, 53, 56, 61.
among the Sioux 14: 830, 840.
measles 26: 58, 64.
smallpox 26: 55, 64.
See also **Cholera; Measles; Plague; Smallpox; Whooping Cough**.

Epilepsy

- among the Pima 26: 268.
remedy used for 42: 658.
Epileptic and Insane, how regarded by the Apache 9: 460 *sq.*

Epilobium Angustifolium

- medicinal constituents of 44: 304.
medicinal properties of 44: 301.
mention of 45: 483, 498.
use of 44: 289, 342, 356.

Epilobium sp. 45: 468, 506.**Epithets**, use of 42: 358.**Epley's Ruin**, *Pueblo Viejo Valley*.

- description of 22, i: 171.
objects obtained from 22, i: 171.

Épone, France, petroglyphs in 10: 175 *sq.***Eponym**, beliefs respecting 11: 542.**Epsom Creek**, pottery, Utah 4: 286 *sq.***Equal-armed Cross**, design in Pima basketry 26: 136, 137, 139.**Equality**

- in life of people 41: 540 *sq.*
principles of 20: LXXX *sqq.*

Equinoxes, not recognized by the Tewa 29: 47, 62.**Equipage for Horses** 13: 280.**Equisetaceae** 33: 63.**Equisetum** 33: 63.**Equisetum Hiemale**, use of 44: 289, 366, 377.**Equisetum Praealtum**, use of 44: 289.**Equisetum sp.** 45: 462, 497, 510, 511.**Equituni**, Pima village 26: 20.**Equity**, principles of 2: LXXX.**Equus Asinus**. *See* **Burro**.**Equus Caballus**. *See* **Horse**.**Erdmann, F.**, cited 6: 412, 597.**Ericaceae** 33: 63.**Ergot**, employed by the Zuñi 30: 63.**Erie**, agreement between Seneca and 19: 852.**Erigeron Canadensis**

- medicinal constituents of 44: 304.
medicinal properties of 44: 301.
use of 44: 289, 342, 356.

Erigeron Compositus 45: 465.**Erigeron Filifolius** 45: 465**Erigeron Salsuginosus** 45: 497.**Erigeron sp.** 45: 468, 493.**Erigonum sp.** 45: 470.**Erin Bay**, description of settlement of 34: 65.**Erin Bay Midden**, excavations in 34: 9.**Eriodendron**, "cotton" for darts 38: § 124.**Eriogonum**, used in ceremonies 30: 91.**Eriogonum Androsaceum** 45: 470.**Eriogonum Heracleoides** 45: 464, 470, 505.**Ermine Skins**

- Eskimo ceremonial objects made of 18: 418.
Eskimo fetish 18: 441.
value of 46: 589.

Ermine Totem, representation of 18: 324.**Ernest**, a Menomini, genealogy of 14: 50.

Errors

- common, concerning the Eskimo 11:
XLII.
in arrangement of designs 41: 287-
295.
in pictography 4: 247-253.
- Eryngium Foetidum**, febrifuge 38:
§ 297.
- Eryngium Yuccafolium**, medicinal
use of 42: 655.
- Erysimum**, use of, in ceremonies 30:
90.
- Erysimum Cheiranthoides**, use of
44: 289, 350.
- Erythrina Herbacea**, medicinal use of
42: 666.
- Erythronium**
boiling of 35: 547.
digging of 35: 197.
preparation of 35: 544.
raw and baked 35: 548.
- Erythronium Albidum** 33: 71.
- Erythronium Grandiflorum** 45:
481.
- Eythronium Mesochoreum** 33:
71.
- Erythroxyllum** 38: § 287.
- Es-a-nanaca**. *See* Īsanā'naka.
- Esar-kee-tum mee-see**
the Life Controller 42: 509.
See also Hisagita Immisi.
- E-sau-ge-túh Enis-see**
the Great Spirit 42: 514.
See also Hisagita Immisi.
- Esaw**. *See* Catawba.
- Escalante, Sergt. Juan Bautista de**
expeditions against Seri by 17: 60
sq., 70.
reference to 28: 55.
- Escalante, Silvestre Vélez**
on Galisteo 29: 482.
on Quivira 29: 566.
on Tajique 29: 533.
on Tsawarii 29: 254.
- Escalante Ruins**, reference to 28:
112, 114.
- Escalona, Fray Juan de**, builder of
church at Santo Domingo 29:
450.
- Escamela, Mexico**, stone of the
giants at 10: 133.
- Escandron**, founder of Altamira 25:
276, 278.

Escondida, Calif., petroglyphs near
10: 62 sq.

Escudero, José A. de

- on Pojoaque 29: 334.
on Santo Domingo 29: 449.
on Seri 17: 93.

Esien, Gustav, as to ruins of Copan
3: 64.

É'sikwita

- a Kiowa Apache synonym 17: 245.
Kiowa name of Mescalero 17: 303.

Eskimauan Family 7: 71-75.

Eskimauan Migrations, study of
21: XII.

Eskimauan Peoples, characterization
of 18: LIII sq.

Eskimauan Stock

- tribes of the 24:
Eskimo, Central 102, 472, 473,
544, 547, 701, 709, 712, 736, 737,
751, 752, 767, 782, 783.
Ita 549, 701, 712, 752, 769.
Koksoagmiut 700.
Labrador 283, 548, 699, 737.
Western 104, 386, 474, 629, 701,
706, 723, 729, 737, 753, 805.

Eskimo

- about Bering Strait, memoir on
18: LI-LIV, 19-518.
about Bering Strait, work among
18: XXXIII sq.
adaptation, differentiation, evolu-
tion 46: 359, 364, 365.
admixture with Indians 46: 58, 69,
82, 83, 156, 161 sqq., 250, 259, 268,
365.
affinities with Asiatics 46: 240, 250.
affinities with Indians 46: 240, 250,
259, 356, 357, 358, 361, 365.
aid with skeletal remains 46: 103,
109, 111, 113, 114.
Alaska, linguistic research among
21: XII.
and Paleolithic man of Europe 46:
175, 331, 347.
anthropological groups 46: 274.
antiquity of 46: 169, 181, 238.
arrow points, ivory 46: 67, 135, 173.
arm stretch of 46: 229.
Asiatic 46: 210, 226, 234, 237, 361,
364.
Asiatic, crania of 46: 254, 257, 259,
364.
Asiatic, nose of 46: 268.

Eskimo—Continued

- attitude toward skeletal remains
46: 70, 76, 78, 97, 103, 109, 111,
113, 114, 184.
- axes, adzes 46: 135.
- barter 46: 91, 93, 102, 103, 145.
- bones, fear of 46: 70.
- bones, long 46: 156, 160, 163, 164,
165, 326.
- boxes, burial, painting of 46: 64.
- Central 46: 359.
- Central, investigations of 21: xii.
- Central, paper by F. Boas 6: 399–
669.
- cephalic and cranial 46: 229.
- character, mentality, behavior 46:
79, 83, 92, 94, 107, 134, 213–228,
240, 250.
- children 46: 37, 96.
- children's crania 46: 294–299, 310.
- civilization 46: 92, 133, 181, 366.
- coming to America 46: 359.
- conclusions as to 46: 358.
- contact with Indian 46: 83.
- Coronation Gulf 46: 230.
- cradle of the 46: 361.
- crania, average data in detail 46:
286–293
- crania of the 46: 231.
- crania, paper on 44: 5.
- crime, execution 46: 94.
- customs of 11: 168.
- dental arch 46: 162, 163, 236, 264.
- digging up old sites 46: 88, 102.
- dishes, wooden 46: 69, 71, 77, 83,
136.
- disposition, happy 46: 67.
- Eastern, crania 46: 232.
- evolution 46: 168.
- excavation of old sites 46: 88, 93,
102, 167.
- face 46: 213–228, 229, 232–236,
241 sq., 249, 251.
- fecundity of 46: 107.
- games of the 24:
 - archery 383.
 - ball juggling 712.
 - buzz 751.
 - dice game 102 sqq.
 - football 698.
 - hand-and-foot ball 705.
 - jack-straws 729 sq.
 - ring and pin 528, 529.
 - shinny 617.
 - tops 733.

Eskimo—Continued

- Golovnin Bay 46: 116.
- Greenland 46: 227, 230.
- habits of the 46: 366.
- head form and size 46: 161 sqq.,
229, 239 sq., 249, 251, 359, 364.
- height sitting 46: 229.
- homogeneity 46: 358.
- Hudson Bay 46: 230, 375.
- Indian mixture 46: 69, 250, 259,
268.
- Indian-like 46: 69, 79, 82, 99, 107,
109, 134, 151, 161.
- intermarriages with whites 46: 102,
106, 111, 151, 362.
- investigations among 45: 15 sq.
- Ita, games of the 24:
 - ball juggling 712.
 - buzz 752 sq.
 - cat's cradle 769.
 - football 701.
 - ring and pin 549.
- ivory carving of 46: 210.
- journeys 46: 145.
- kind 46: 99.
- Koksagmiut, football game of the
24: 700 sq.
- Kuskokwim 46: 67, 99, 361.
- Labrador, games of the 24:
 - football 699 sq.
 - hand game 283.
 - ring and pin 548.
 - tops 737.
- language of the 26: xxii.
- language, sketch of 27: 9.
- Mackenzie River 46: 229, 230.
- marriage among the 46: 107.
- masks of the 46: 84, 173, 175.
- measurements of 46: 229, 238.
- method of constructing numbers
19: 928.
- method of flaking stones 13: 140,
172.
- migrations of 46: 365.
- mixed bloods 46: 55, 99, 107, 111,
134.
- mixture with Indian 46: 53, 69,
82, 83, 156, 161 sqq., 250, 259, 268,
357, 358, 359, 361–365.
- Mongol affinities 46: 214–227, 299.
- myths of 11: 193, 195; 19: 441,
443.
- myths of, paper on 19: xxx.
- names 46: 109.

Eskimo—Continued

- nose 46: 229, 234, 235, 236, 237, 247-270.
- of Noatak River 46: 229, 130.
- of Nome 46: 89.
- of Point Barrow, isolation of 9: 26.
- of Point Barrow, paper on, by J. Murdoch 9: 1-441.
- of Point Barrow, range of 9: 26 sq.
- of Savonga, clean 46: 92.
- of the Ungava district 11: 175.
- orbits 46: 234, 235, 236, 237, 264, 270-274.
- origin of 46: 181, 329, 333-361, 365.
- part of yellow-brown stem 46: 357.
- physical characteristics 46: 358, 359, 364.
- Point Barrow 46: 215, 218, 226, 227, 230.
- Point Hope 45: 226, 230.
- population, density of 46: 132, 181.
- pottery of 46: 67, 69, 78, 95, 121, 145, 147, 173.
- purity of 46: 365.
- race unity or plurality of 46: 356.
- relations with Tlingit 26: 414.
- report on 11: xli
- St. Lawrence, civilized 46: 92.
- settlements, selection of sites 46: 182.
- shoulders 46: 229.
- singing of 46: 107.
- Smith Sound 46: 230.
- stature 46: 213-228, 229, 230, 238, 315 sqq., 326, 359, 364.
- stone charms and amulets of 13: 115.
- stone lamps, ornate 46: 34, 55, 136, 173.
- tattooing of 4: 64.
- the name 46: 329.
- use of bolas by 13: 95.
- use of perforated stones by 13: 98.
- use of sinker-stones by 13: 111.
- village sites, investigation of 44: 14.
- villages, Lower Yukon 46: 67, 129, 132, 361.
- wars of 46: 86, 117, 118, 170, 171, 358.
- whale fishing of 11: 174.
- work on 8: xxvii, xxviii.
- See also Eskimo, Alaskan; etc.; Esquimaux; Inuit.*

Eskimo, Alaskan, archeology. *See Archeology.*

Eskimo, Central

- games of the 24:
 - ball juggling 712.
 - buzz 751 sq.
 - cat's cradle 767 sqq.
 - dice games 102.
 - football 701.
 - hoop and pole 472 sqq.
 - ring and pin 544-547.
 - tops 736 sq.
 - tossed ball 709.
 - unclassified games 782 sq.
- paper on, by F. Boas 6: 399-669.
- See also Eskimo.*

Eskimo, Midwestern

- basiofacial dimensions 46: 278.
- crania of 46: 364.
- dental arch 46: 275.
- facial 46: 265.
- lower jaw 46: 300.
- nose 46: 269.
- orbits 46: 273.
- skeletal parts 46: 314-317.

Eskimo, Northeastern

- basiofacial diameters 46: 278.
- crania 46: 359.
- dental arch 46: 275.
- facial 46: 265.
- lower jaw 46: 300.
- mention of 46: 256, 261.
- nose 46: 269.
- orbits 46: 273.

Eskimo, Northern or Arctic

- crania, basiofacial diameters 46: 278.
- dental arch 46: 275.
- facial 46: 265.
- lower jaw 46: 300.
- mention of 46: 227, 256, 257, 260, 261, 262.
- nose 46: 269.
- orbits 46: 273.

Eskimo, Northwestern

- basiofacial dimensions 46: 278.
- crania 46: 261.
- dental arch 46: 275.
- facial 46: 265.
- lower jaw 46: 300.
- nose 46: 269.
- orbits 46: 273.
- skeletal parts 46: 314-317.

Eskimo, Southwestern

- basiofacial dimensions 46: 278.
- crania 46: 262, 364.
- dental arch 46: 275.
- facial parts 46: 264 *sqq.*
- lower jaw 46: 300.
- nose 46: 269.
- orbits 46: 273.
- skeletal parts 46: 314-317.

Eskimo, Western

- affinities with Indians 46: 316.
- alcoholism among 46: 362.
- anthropology of 46: 364.
- antiquity of 46: 362.
- children 46: 362.
- civilization of 46: 362.
- crania 46: 231, 254.
- crania of children 46: 294.
- culture of 46: 145.
- diseases of 46: 362.
- disposition of 46: 362.
- distribution of 46: 238.
- endurance, strength 46: 362.
- exploitation by, of old remains 46: 366.
- extension 46: 361.
- games of the 24:
 - archery 386 *sqq.*
 - buzz 753 *sqq.*
 - dice games 104.
 - football 701.
 - hand-and-foot ball 706 *sq.*
 - hoop and pole 474.
 - jackstraws 729 *sq.*
 - quoits 723, 724.
 - running races 805.
 - shinny 629.
 - tops 737 *sqq.*
- homogenous 46: 364.
- intelligence, mentality, abilities 46: 362.
- intermarriage among themselves 46: 362.
- living, anthropometric data 46: 228-250, 251 *sqq.*
- living, measurements of 46: 238.
- living, observations on 46: 213, 228.
- living, physical characteristics of 46: 213-228.
- long bones 46: 165, 314.
- longevity of 46: 362.
- mixture with Indians 46: 364, 365.

Eskimo, Western—Continued

- mixture with whites 46: 362, 364, 366.
- observations and measurements of 46: 364.
- physiological data 46: 247, 249.
- population of 46: 361, 362.
- skeletal remains 46: 163, 165.
- subdivisions 46: 255.

Eskimo, Yukon

- crania of 46: 150, 162, 163.
- differences from northern and eastern 46: 83.
- measurements of living 46: 162.
- mention of 46: 83, 145, 161, 238, 361.
- skeletal remains 46: 162, 163 *sqq.*
- stature 46: 164.
- type of 46: 83.
- villages, population of 46: 132, 133, 134.

Eskimogenic Center 46: 365.**Eskimoid Features in Alaska Indians**
46: 37, 43, 47, 52, 53, 54, 55, 56, 58, 59, 151.**Es-kip-pa-ki-thi-ki**

- a Shawnee town 42: 779, 784.
- trail from 42: 786.

Eskiun land cessions and reservations
18: 784.**Eslen Nation of Galiano** 7: 75.**Esopus, N. Y., petroglyphs at** 10: 98.**Esoteric Fraternities of the Zuñi**
23: 407-607.**Española, N. Mex.**

- petroglyphs near 10: 97.
- visit of ruins near 19: xv.
- See also Cuba.*

Espejo, Antonio de

- Acoma described by 47: 25.
- Acoma Snake-dance noted by 16: 305.
- Awatobi referred to by 17: 596, 599.
- Awatobi visited by 17: 594.
- expedition of, in 1583 13: 185.
- Mexican Indians found at Cibola by 14: 401, 536.
- on Acoma 29: 543.
- on clothing of Zuñi Indians 14: 517.
- on Coronado's attack on Tiguex 14: 496.

Espejo, Antonio de—Continued

- on Hopi fabrics 17: 629.
- on Jemez 29: 402.
- on Pecos 29: 473, 476.
- on Plains Indians 14: 527.
- on Puaray 29: 523, 524.
- on Sia 29: 517, 518.
- reference to 28: 186.
- visit of, to Zuñi 13: 327.
- visits Tusayan in 1583 17: 598.

Espeleta

- an Oraibi chief 17: 601.
- visits Santa Fé 17: 601, 602.

Espeleta, José, killed at Oraibi 17: 600.**Espenberg, Cape. See Cape Espenberg.****Espece, Tomás**

- campaign against Seri by 17: 88-93.
- on Seri 17: 91 sq.

Esperiez, mentioned by Oñate 17: 599.**Espinosa, death of 14: 555, 564, 586.****Espinosa, Isidoro Felis de, on turquoise 29: 580.****Espiritu Santo River, identification of, with the Mississippi 14: 346.****Esquimaux**

- box burial of the 1: 155 sq.
- burial fires of 1: 198.
- cairn burial of 1: 143.
- lodge burial of 1: 154.
- tattooing of the 10: 392-396.

See also Eskimo.

Essanape, identification of, with Assiniboin 15: 190.**Esselen**

- hoop and pole game of the 24: 472.
- not a coastal but an inland people 48: 8.
- vocabulary of, obtained 10: xv.

Esselenian Family 7: 75, 76.**Estakéwach, a Pit River band 14: 1052.****Estefania, Señora —, collection of 26: xv.****Estevanillo. See Estevan.****Estevan**

- Coronado's account of the death of 14: 563.
- death of 14: 360, 475, 551, 586.
- death of, described by Colorado River Indians 14: 405.
- native legends of death of 14: 361.

Estevan—Continued

- proceeds to Cibola in advance of Niza 14: 355.
- qualifications of, as a guide 14: 354.
- survivor of Narvaez expedition 14: 348.
- travels of 14: 474.

Estevanico

- Cibola visited by 13: 326.
- death of, at K'iakima 8: 86.

Esthetic

- activities, research in 17: xxix sq.
- culture, evolution of 20: cxxv.
- culture, value of pottery in study of 20: 18, 19, 20.
- development, Seri 17: 164*-179*.
- motives, importance of, in human progress 17: 176*-179*.

Esthetic Arts of the Pima

- athletic sports 26: 171-174.
- dancing 26: 170.
- festivals 26: 170 sq.
- games 26: 174-181.
- musical instruments 26: 166-170.
- ornamentation 26: 163-166.
- personal decoration 26: 158-163.

Esthetic Influence on form and decoration

- American pottery 20: 25, 61, 62, 64 sq.
- Florida Peninsula pottery 20: 127.
- Iroquoian pottery 20: 162.
- Middle Mississippi Valley pottery 20: 85, 100.
- Ohio Valley pottery 20: 186.

Esthetics in Indian symbolism 23: xxv.**Esthetle**

- prayer to 8: 272.
- song of 8: 272.
- the first ones, Navaho ceremonial 8: 264, 271, 272.

Esthetology

- classification of 15: xix.
- definition of 16: xvi sq.
- office work in 22, i: xv-xix.
- or the science of activities designed to give pleasure 19: lv-xcii.
- relation of technology to 18: xxxix.
- subject matter of 19: xii.
- work in 18: xxx-xxxiv; 19: xix sq.; 20: xii; 23: xxii.

Estolica, spear-thrower 38: § 148.

Estrada, Alonzo de
 parentage of 14: 474.
 royal treasurer for New Spain 14: 379.

Estrada, Beatrice de, wife of Coronado 14: 379, 478.

Estrada, José de, quoted on Spanish policy toward Indians 18: 543.

Estrafort, Guillermo, chart by* 17: 69.

Estrella Mountains. *See* **Sierra Estrella.**

Extremadura, Spanish province 14: 511.

Estufa, Sunken, story about 43: 373.

Estufas
 at Cibola 14: 518.
 at Kuaua (Torreon) 29: 523.
 at San Cristobál 29: 487.
 at Santa Ana 29: 521.
 description of 14: 520.
 description of, by Jaramillo 14: 587.
 duties of headmen of 47: 71.
 references to 14: 569; 29: 361.
 very large, at Braba 14: 511.
 See also **Kiva.**

Etah Eskimo, habitat of 7: 72, 73.

Etchareottine, hand game of the 24: 272.

Etchemin, efforts of, to establish peace 43: 455.

Etching
 Eskimo, examples of 18: 48, 54 sq., 69, 84, 89, 90, 93, 100, 101, 103, 106, 108, 120, 127, 142, 146, 148, 165, 182, 191, 193 sqq., 197, 223, 226, 275-278, 284, 345, 351, 446.
 Eskimo, implements for 18: 80 sq.
 on birch-bark 44: 396.

Etherington, Captain —, and the Pontiac conspiracy 14: 130.

Ethical Concepts
 of the Tsimshian 31: 443 sq.
 reference to 45: 196.

Ethics
 classification of subject matter of 20: cxxxvii.
 evolution of 20: cxxvi sqq.
 fundamental principles of 27: 134.
 in Hethu'shka songs 27: 470.

Ethics—Continued

in warfare 27: 602 sq.
 influenced by environment 27: 608.
 influenced by natural phenomena 27: 597 sq.
 moral equality of sexes 27: 324.
 primitive, original research in 21: xxi.
 taught to girls 40: 307.
 See also **Ideals; Religion.**

Ethnic

characteristics, limitations to the use of, in study of anthropology 1: 76.
 determinations, value of study of technique in 20: 48.
 See also **Peoples.**

Ethnic Science, classification of 18: xxv sq.; 19: xi sq.

Ethnic System of the Bureau, features of 22, i: ix sq.

Ethnobotany

memoir on, of the Zuñi Indians 30: 25, 31-102.
 studies in, of the Hopi Indians 22, i: 17.

Ethnogamy, characters of 17: 283*-287*.

Ethnogeography

Tewa Indians, memoir on 29: 29-618.
 Tewa Indians, memoir on, note on 29: 25.

Ethnologic

facts, connected with signs 1: 384.
 work 2: xxii.

Ethnologic Researches

by J. P. Adams 32: 13.
 by Donald Beauregard 32: 13.
 by K. M. Chapman 32: 13.
 by J. W. Fewkes 32: 14.
 by Miss Alice C. Fletcher 32: 22.
 by Nathan Goldsmith 32: 13.
 by John P. Harrington 32: 13.
 by Junius Henderson 32: 13.
 by J. N. B. Hewitt 32: 20.
 by F. W. Hodge 32: 10.
 by Neil M. Judd 32: 13.
 by Francis La Flesche 32: 22.
 by Truman Michelson 32: 20.
 by James Mooney 32: 14.
 by Sylvanus J. Morley 32: 13.
 by Jesse L. Nusbaum 32: 13.
 by Paul Radin 32: 21.

Ethnologic Researches—Continued

- by R. W. Robbins 32: 13.
- by Mrs. M. C. Stevenson 32: 19.
- by John R. Swanton 32: 18.
- permits for 27: 11.
- purpose and progress of 17: xxvii sq.
- summary of 26: ix-xxi.

Ethnological Collections, character of 27: 12.**Ethnologists**

- list of 48: 1188 sq.
- not officially connected with Bureau 48: 1189.

Ethnology

- aims of 41: 1.
- definition of 15: xviii.
- descriptive, office work in 22, i: xxxvii sq.; 23: xl.
- descriptive, work in 20: xxiii.
- in relation to anthropology 28: 42.
- of the Ungava district 11: 167.
- physical 23: x.
- practical scope of 23: ix.
- status of 13: xlviii; 14: xxx.

Etiquette

- among the Tlingit 26: 427.
- description of 27: 334-337.
- of eating and drinking 38: p. 226-234.
- Omaha, domestic 3: 262.
- See also* Customs; Social Organization.

Etissû, duties of 42: 409.**Etmüller, Michael**, quoted on girdles and cords 9: 571, 572.**Etowah**

- burning of, in 1793 19: 75, 82.
- See also* Ytaua.

Etowah Mounds, Ga.

- earthenware figurines from 20: 41.
- mention of 5: xxii, 96-104, 106, 107.
- visit of De Soto to 12: 688.

Etowah Valley, collection from 19: xx sq.**Etseastin and Etseasun**, Navaho myth 8: 284 sq.**Etsitü'biwat**, a Comanche band 14: 1045.**Ėt'tone**, and Mi'li, importance of 23: 416, 417.**Ettwein**, on name Tallige'wi 19: 184.**Etymology**

- definition of the science of 20: cliii-clvii.
- of words from gestures 1: 352.

Eudeve, branch of the Opata Indians 14: 537.**Eufaula**

- busk ceremonial of 42: 581 sqq., 604.
- busk of, with Coweta 42: 568.
- native explanation of the name 42: 73.
- relations of, with Hilibi 42: 559.
- use of medicine at 42: 608.
- See also* Eufaula, Upper.

Eufaula Hadjo

- information furnished by 42: 256.
- leader of the Snake Indians 42: 655.

Eufaula Hobayi

- a Red town 42: 255.
- allocation of clans in beds at 42: 201-204.
- arrangements of square grounds of 42: 229, 277, 278.
- clans of, furnishing chiefs and henihas 42: 193, 194.
- clans, phratries and moieties of 42: 161.
- position of beds at 42: 199.
- See also* Lower Eufaula.

Eufaula Seminole

- a Red town 42: 126, 257.
- allocation of clans in beds at 42: 201-204.
- arrangement of square ground of 42: 233 sq., 289.
- clan councils of 42: 126.
- clans of, furnishing chiefs and henihas 42: 193, 194.
- clans, phratries and moieties 42: 161 sq.
- plan of ceremonial ground of 42: 234, 289.
- position of beds at 42: 199.

Eufaula, Upper

- allocation of clans in beds at 42: 201-204.
- arrangement of square ground of 42: 223 sq., 260, 261.
- clan councils of 42: 125.
- clans of, furnishing chiefs and henihas 42: 193, 194.

Eufaula, Upper—Continued

- clans, phratries and moieties of 42: 159 sq.
- emblem of ball post of 42: 244.
- house at, for ceremonial objects 42: 186.
- plan of ceremonial ground of 42: 262.
- position of beds at 42: 198.
- Upper Creek Red town 42: 125, 255.

Eu-fau-lau Tus-tun-nug-gee, war-rrior of the Creek nation 42: 328.

Eugenia Catinga, for oil 38: § 25.

Eugenia sp., cultivation of 38: § 246.

É-ukshikni or Klamath 7: 90.

Euob day symbol, discussion of 16: 243.

Euonymus Atropurpurea 33: 102.

Eupatorium Musculatum

- medicinal constituents of 44: 304.
- medicinal properties of 44: 301.
- use of 44: 289, 348, 364.

Eupatorium Perfoliatum, use of 44: 289, 376.

Euphorbia, mention of 42: 661.

Euphorbia Glyptosperma 45: 462, 470.

Euphorbia Marginata, remedy for snake bites 26: 264.

Euphorbiaceae, name of Opata poison 14: 528.

Europe

- origin of Eskimo in 46: 331, 347-351.
- Paleolithic cultural affinities with Alaska 46: 175.
- petroglyphs in 10: 171-178.

European

- goods, occurrence of, in Georgia mound 20: 139.
- goods, occurrence of, in graves with Iroquoian pottery 20: 168.
- manufacture of pipes for Indian trade 20: 173.
- ossuaries 1: 191.
- pipes, origin of form of 20: 157 sq.

European Civilization

- checked aboriginal American art 4: 443.
- evidence of contact with, found in many mounds 12: 18.

European Games

- analogous with American Indian games 24: 29.
- ball 24: 789 sqq.
- board games 24: 791-801.
- played by the 24:
 - Chippewa 791.
 - Cree 791.
 - Hopi 794 sqq.
 - Keres 792 sq.
 - Mexicans 794.
 - Micmacs 792.
 - Mono 796.
 - Navaho 789 sq.
 - Omaha 797.
 - Papago 794.
 - Passamaquoddy 792.
 - Tewa 797 sq.
 - Thompson Indians 790 sq.
 - Tigua 798.
 - Yakutat 793.
 - Yokuts 793.
 - Zuñi 799 sqq.
- playing cards 24: 791.

European Myths

- connection of Cherokee with 19: 232-236.
- position of rabbit in 19: 232.

European Pottery

- apparent imitation of, by Middle Mississippi Valley potters 20: 82.
- effect of introduction of, on native pottery making 20: 160.
- occurrence of, in Florida Peninsula 20: 129 sq.

Europeans joining Indian forces 38: § 755.

Eurypyga Helias. *See* Sun-bird.

Eusebio, Guitéras, translator, of Rudo Ensayo 26: 23.

Eutamias Dorsalis (P) squirrel of Pimería 26: 81.

Eutaw, a synonym of Ute 17: 167.

Euterpe Edulis. *See* Manicol.

Euterpe Oleracea, nonfermented drink made from 38: § 270.

Euthamia Graminifolia, use of 44: 289, 340.

Evanhoe, Charles, collection of 36: 73.

Evans, —

- on French prophets 14: 939.
- on the Kentucky revival 14: 942.
- on the Shakers 14: 942.

- Evans, —**, grant of land to 18: xxv sq.
- Evans, Governor —**
 hostile Indians outlawed by 17: 176.
 volunteers against Indians raised by 17: 179.
- Evans, Mrs. —** 46: 116.
- Evans, A. Grant**, on absence of wild rice in Indian territory 19: 1030.
- Evans, Alexander W.**, on wild rice in Connecticut 19: 1029.
- Evans, J.**
 on boring 13: 165.
 on desiderata in stone-flaking 13: 172, 173.
 on early use of chisel-shape arrows 13: 168.
 on functions of pitted stones 13: 91, 99.
 on gorgets 13: 117.
 on manufacture of stemless scrapers 13: 169.
 on Mexican and Eskimo stone chipping 13: 139, 401.
 on turtlebacks as sling-stones 13: 139.
 on use of disks as pestles 13: 87, 88.
 on use of flakes for scraping 13: 171.
 on use of perforated stones 13: 99.
 on ways of perforating stone 13: 164.
- Evans, Dr. J. B.**, on Ani'-kuta'nī 19: 392 sq.
- Evans, R. B.**, description of Sherman mounds, Arkansas, by 12: 223, 588.
- Evans, R. H.**, mounds on land of, Tennessee 12: 364.
- Evans, S. B.**, on Acoma 29: 543.
- Evans, S. C.**, specimen presented by 47: 13.
- Even-his-horse-is-feared**, a Dakota chief 15: 190.
- Evening**, signs for 1: 353.
- Evening Primrose**
 used in ceremonies 30: 87.
 used in medicine 30: 55.
- Evening Star**
 a life symbol 36: 109, 120.
 a sky deity 43: 73, 74.
- Everett, Edward**
 denounces policy toward Cherokee 5: 288.
 on Davis's letter to Secretary of War 19: 127.
 on General Dunlap's address 19: 128.
 on Georgia's laws affecting Cherokee 19: 117.
 on Mason's letter to Secretary of War 19: 128.
 on New Echota treaty 19: 123.
 on number of troops employed in Removal 19: 129.
 on pressure leading to Removal 19: 125.
 on Ridge's letter to President Jackson 19: 128.
 on Ross arrest, etc. 19: 123.
 on Wool's letter concerning Removal 19: 127.
 opposition to removal project by 19: 129.
- Everett[e], Dr. Willis E.**
 field observations by, on Alaskan tribes 22, i: xiv.
 field work by 20: xi.
 linguistic investigations of 21: xii.
 on the derivation of Yakona 7: 134.
 records of Athapascan tribes sent by 23: xvi.
 work of 18: 580.
- Everglades**
 eastern side of, geometric earthworks on 48: 4.
 present partial occupation of, by Seminoles 20: 115.
- Evergreen Tree**, ceremonial use of 40: 279.
- Evergreens** in Cherokee lore 19: 421.
- Everlasting**
 use of 45: 464, 465, 492.
See also Pearl Everlasting.
- Evermann and Rutter**, on fishes of Colorado Basin 26: 83.
- Evernia Vulpina** 45: 501.
- Evil**
 concept of 37: 311 sq.
 discussion of 19: LVII sqq.
- Evi'sts-unī''pahis**, a Cheyenne division 14: 1025.
- Evers, Dr. Edward**
 publication by 4: 367, 414.
 work of, on Middle Mississippi Valley pottery 20: 87.

Evolution

- distinguished from invention of sign language 1: 319, 388.
- human, value of pottery in study of 20: 18, 19, 20.
- of Eskimo and his culture 46: 168.
- of hammerstone making 15: 103.
- of language 1: 3.
- of stone-implement making 15: 101 sq., 144.
- technic, light thrown on, by study of pottery manufacture 20: 48.

Ewbank. *See* Whipple, Ewbank and Turner.

Ewell, Dr. E. E.

- acknowledgment to 26: 74.
- peyote analyzed by 17: 1; 30: 41.

Ewenauki, mention of 42: 34.

Ewers, Capt. E. P.

- ordered to arrest Hump 14: 862.
- Sitting Bull's fugitives surrendered to 14: 862.

Ewi Katâlsta, pottery making by 20: 56.

Ewing, —, surveys by 18: 655.

Ewing, Henry P.

- material collected by 24: 208, 371.
- on hidden ball, Walapai 24: 371 sq.
- on hoop and pole, Walapai 24: 525.
- on shinny game, Mohave, Walapai 24: 646.

Ewing, Judge Robert, acknowledgment to 42: 745.

Ewing, Thomas, counsel for Cherokee 5: 345.

Examiner Incident, history of 17: 117, 120.

Exanab. *See* Edzanab.

Excavating Tools of the Eskimo 9: 302 sqq.

Excavation

- of Casa Grande, account of 28: 13, 37-42.
- of Indian mound, North Carolina 1: 120 sqq.

Excavations

- Barrow 46: 166, 206, 257.
- by the Eskimo 46: 88, 93, 102, 167.
- difficulties of, in Alaska 46: 173.
- in Dumbarton Heights quarry 15: 64.

Excavations—Continued

- in Piny Branch quarries 15: 38, 44, 45.
- Little Diomedé 46: 163.
- location of 44: 70 sq.
- Wales 46: 166.

Exchange

- as an element of commerce 20: XLVI sq.
- loops in string figure 38: § 638.
- names at salutation ceremony 38: § 807.
- of wives 38: § 870.
- on medium of 46: 420.
- signs for 1: 454.
- want of a medium of 38: § 819.

Excision

- pottery decoration by 20: 66.
- See also* Decoration; Incision.

Execution of design, in painted pottery 4: 302.

Exhibits by the Bureau 17: LVII; 18: XLIX.

Exhumations 38: § 832, 852, 856.

Exogamy

- among the Chickasaw 44: 199.
- among the Omaha and cognates 27: 33, 38, 135, 140, 325, 641.
- among the Southeastern tribes 42: 695 sq.
- among the Tlingit 26: 398, 423 sqq.
- among the Tsimshian 31: 411.
- at Oraibi 47: 352 sq.
- clan 47: 34, 38.

Exorcism

- means of 30: 149, 163 sq., 170, 196 sq., 345-353.
- represented in Maya glyphs 16: 248.
- rites of 47: 287, 309-314.

Expedition of 1879

- assistance by Army to 23: 16, 17.
- collection of relics by 23: 16 sqq.
- collection of relics by, objection to 23: 17.
- threatened outbreak of Indians 23: 17.

Expedition to the Skyland, journal of 43: 792.

Expeditions

- record of 4: 164.
- trade 38: § 823.

Expenditures

- classification of 3: LXXIV.
 of the Bureau 2: XXVII; 5: LIII;
 8: XXXVI; 10: XXX; etc.

Explanation

- of Haida tattooing 4: 67-72.
 of Osage mnemonic chart 4: 84
sqq.
 of pictographs 4: *passim*, 1-256.
 of San Gabriel notched sticks 4:
 81 *sq.*
 of symbols for songs 4: 82 *sqq.*

Explorations

- Alaska old sites, need of 46: 89, 93.
 by the Bureau 14: XLVI; 15: LXX;
 16: LXI-LXVI.
 early, elucidated by Cherokee tradi-
 tion 21: XXX.
 English 46: 123, 128.
 in mounds 3: XXIV.
 in stone villages 7: XVIII-XXVIII.
 in the Southeast 1: XXX.
 obstacles and difficulties of 46: 118,
 121.
 on public lands, permits for 27: 11.
 on the Yukon, American 46: 128.
 recent, in Seriland 17: 12-21.
 Russian 46: 123, 127, 128.
 unfinished 46: 129.
 work on 17: XXXIX-XLV; 18:
 XXVII-XXX.

Explorers, early, on Occaneechi Path

42: 779.

Exposition, work of the Bureau25:
XI *sqq.***Exposition Exhibits of the Bureau**

26: XXVII.

Expositions

- New Orleans 11: XXXVII.
 Paris 11: XXXVII.

Expression, Eskimo readiness of18:
309.**Expressions**

- Alaskan, quaint 46: 40.
 facial, of the Western Eskimo 46:
 249.

Extirmination of Stone Giants,

Iroquois myth 2: 59.

Extra-limital Petroglyphs10: 161-
188.**Eyackimah, a Yä'kima synonym**14:
737.**Eye**

- disease of the, etc. 38: § 927.
 dog, symbol in Maya codices 16:
 242.
 dog, symbol in Maya glyphs 16:
 237.
 Serian and Yuman names for 17:
 297*, 327* *sq.*
See also Eyes.

Eye-shades, worn by the Eskimo18:
167 *sqq.***Eye-socket Basket, character of**30:
185.**Eye Troubles, remedies for**42: 662,
664, 665.**Eyebrows, pulling out of**

35: 701.

Eyeish, a Caddo division

14: 1092.

Eyes

- appearance of, in representations of
 Hopi kateinas 21: 64.
 crescent shape of, in pictures of Hopi
 kateinas 21: 43, 68, 71, 74, 90,
 122.
 diseases of, belief concerning 47:
 242.
 globular appearance of, in pictures
 of Hopi kateinas 21: 66, 81, 85.
 goggle, in pictures of Hopi kateinas
 21: 41, 89, 91, 99.
 lozenge-shaped, in pictures of Hopi
 kateinas 21: 112.
 occlusion of 30: 301, 311.
 of codfish 35: 388.
 of dead, weights placed on 30: 160,
 299.
 of kelp-fish 35: 395.
 protruberant, in pictures of Hopi
 kateinas 21: 75, 86.
 rectangular, in pictures of Hopi
 kateinas 21: 78, 101.
 removal by spirits 30: 182, 185.
 small, in pictures of Hopi kateinas
 21: 76.
 stellate, in pictures of Hopi kateinas
 21: 80.
 treatment for 30: 45, 56, 57, 59,
 60.
 Western Eskimo 46: 213-228, 243.
 Yukon Indians and Eskimo 46:
 161.

*See also Eye.***Eyesight, acuteness of**46: 527 *sq.***Ezanab. See Edznab.**

Ezhnoⁿ'zhuwagthe, Omaha warrior 27: 100.

Ezhnoⁿ'zhuwagthe shkoⁿthai-thoⁿ, battle at 27: 100.

F

Fabaceae 33: 90.

Fables

development of 19: LXXXII sq.
of the Assiniboin 46: 609-617.

Fabrics

association of, with pottery 20: 192.

Casa Grande, description of 28: 147 sq.

diagonal 3: 417.

forms of 3: 401.

from Iowa 3: 411.

from New Jersey 3: 421.

from the Mississippi Valley 3: 408-411.

from the Southern States 3: 407.

miscellaneous 3: 415.

of lake dwellers 3: 413.

prehistoric textiles of the United States 3: 393-425.

resemblance of impression of, to roulette impressions 20: 190.

resemblance of impression of, to stamp impressions 20: 134.

use of, in modeling and decorating 20:

eastern United States pottery 28, 30, 56, 68, 70, 71 sqq.

Florida Peninsula pottery 118.

Lower Mississippi Valley pottery 103.

Middle Atlantic coast pottery 151.

Iroquoian pottery 163.

New Jersey-New England pottery 179.

South Appalachian pottery 144.

woven, used in modeling vessels 41: 577.

See also **Net; Paddles; Roulette; Textiles.**

Fabrigut, the manuscript of 3: 46.

Face

blackening of, as a mourning custom 14: 241; 31: 534.

deformations of 38: § 501-506.

Face—Continued

human, representations of, American pottery 20: 39 sq., 41.

human, representations of, Middle Mississippi Valley pottery 20: 81 sq., 97 sq.

Serian and Yuman names for 17: 327* sq.

tattooing of 38: § 509.

See also **Man.**

Face and Body Painting

mention of 45: 418-439.

See also **Body Painting; Facial Painting.**

Face, Cranial

Eskimo 46: 263-266, 358.

in whites 46: 266.

Western Eskimo, notes 46: 213-228, 232-236, 241, 242, 249, 251.

Yukon Eskimo 46: 161, 163.

Yukon Indians and crania 46: 152, 153, 155, 157, 264, 266.

Face, Human

description of shell gorgets representing the 2: 294.

engraved and carved on shell gorgets 2: 293, 297.

modeled in clay 2: 296.

portions of shell used for representing the 2: 293.

use or significance of shell gorgets representing 2: 295.

Face Numerals, in Mayan calendar system, discussion of and figures showing 22, i: 204-226, 263-268.

Face Paint 35: 1221.

Face Painting

of the Kiowa 17: 150.

of the Kwakiutl 35: 770.

Seri, apparatus for 17: 165* sq.

Seri, designs of 17: 165*.

Seri, distribution of 17: 164*.

Seri, meaning and design used in 17: 166*-169*.

See also **Facial Painting.**

Face Protectors, worn by the Eskimo 18: 35.

Faces-the-Line. *See* **Giãdedéete.**

Facial Angles

of the Eskimo 46: 285.

of the Indians 46: 284, 311.

Facial Decoration

- as a clan mark 37: 204.
- by Indian women of Bay of Chaleur 10: 220.
- in Oraibi Snake dance 16: 294.
- in Tusayan ceremony 16: 282.
- of Bear clan 37: 228.
- of Cipaulovi Snake priests 16: 283.
- of Elk clan 37: 249.
- of Medicine dance 37: 362.
- of the dead 37: 144, 146.
- of the Menomini 14: 75 sq., 156.
- of Thunderbird clan 37: 211.
- of Warrior clan 37: 219.

Facial Expression

- generally 1: 270-273.
- play, giving detailed information 1: 271.

Facial Painting

- a daily practice 45: 418.
- as a mourning custom 40: 38, 364, 507; 42: 396.
- as a punishment 40: 338.
- as an indication of rank 42: 305.
- as an insignia of rank 42: 618, 621.
- by the Arapaho 14: 971.
- ceremonial 14: 1037.
- colors used in 45: 418.
- Coeur d'Alène 45: 86 sq.
- connected with the Ghost dance 45: 423-427.
- designs used in 45: 420-423, 438 sq.
- disappearance of 45: 403.
- distinctive of towns 42: 246.
- for burial 46: 570.
- for dances 42: 524; 46: 557, 563.
- for war 42: 436; 46: 554.
- for war dance 45: 392.
- in fasting 40: 425.
- in Hopi dances 15: 265.
- in religious ceremonies 40: 213.
- in Smohalla ceremony 14: 729.
- mention of 42: 686; 43: 95; 44: 192, 237, 241; 47: 861, 868.
- object of 42: 170.
- of the dead 40: 370; 42: 390, 391, 392, 393; 45: 173.
- of the Osage 45: 537.
- of warriors 42: 420.
- symbolic 39: 243; 45: 340 sq.
- symbolism of, among the Osage 45: 647.
- to avoid bad luck 45: 182 sq.
- to distinguish towns 42: 306.

Facial Painting—Continued

- to send courage 39: 192 sq.
- universal among the Flathead 45: 340.
- See also* **Face Painting**; **Painting**; etc.

Fagaceae 33: 75.**Fages, Father Pedro**

- extract from diary of 44: 45 sq.
- reference to diary of 44: 36.

Failures

- in implement making 15: 27.
- See also* **Rejects**.

Fain's Island

- collection of relics from 3: 463.
- mound in 2: 215, 272, 288.

Fair, W. A., acknowledgment to 19: 13.**Fair**

- held by the Eskimo 18: 229.
- name for 29: 69.

Fairbanks, —

- collections 46: 168.
- mention of 46: 38, 39.
- on De Soto's route 19: 198.

Fairfax County

- steatite quarries in 15: 131.
- See also* **Clifton Quarry**.

Fairies

- in Cherokee myth 19: 330-337, 475 sqq.
- See also* **Little People**.

Fairy Rocks (*Kejimikoojik Lake, Nova Scotia*), inscriptions on 10: 38-42.**Faith, influence of, on Indian economic life** 19: 1019, 1093.**Faith Cure, primitive** 11: 68.**Falca, dugout boat** 38: § 792.**Falcata Comosa**

- mention of 33: 95.
- use of 44: 289, 307, 320, 346.

Falcon

- æfetish of the Zuñi 2: 30.
- in Zuñi mythology 13: 437.
- talismans from 30: 289.

Falconer, Thomas

- on Pecos 29: 476.
- on San Felipe 29: 500.

Fale Mallow, red 33: 103.**Falkenstein, K. C., reservation of Dresden Codex by** 6: 268.**Fall Indians, a synonym of the Gros Ventres** 14: 955.

Fall-trap

Guiana Indian, for birds 38: § 178.

Guiana Indian, for fish 38: § 194.

Fallen Timbers, battle of 19: 213.

Falling Star, myth of 1: 27.

Falls

hauling boats over 38: § 801.

of the Ohio, trail from Philadelphia to 42: 760.

spirits associated with 30: 235.

Falls Church, steatite quarries 15: 131.

Falls-over-a-Bank. *See* K'ayä'ñte.

Falmouth, conference at 43: 174 sq.

False Arm, use of, by Macibol 21: 87.

False-face Dance of the Iroquois 3: 145.

False Grape 33: 102.

False Gromwell

use of 44: 290.

See also Onosmodium Hispidissimum.

False Hellebore

belief concerning 45: 510.

use of 45: 460, 510, 511, 512.

False Indigo 33: 93.

False Lupine 33: 91.

False Nettle, use of 44: 294, 378.

False Solomonseal, use of 44: 294, 356; 45: 458, 486.

Falsehood, detection of, among Omahas, by ordeal 3: 328, 370.

Falsetto, use of, in Hopi festivals 21: 33 sqq.

Familiar Spirits

belief in 30: 154.

cult of 30: 167 sqq.

evil worked by 30: 162, 163.

feasts in honor of 30: 167.

invocation of 30: 167 sq., 352.

origin of 30: 167.

See also Bush Spirits; Mountain Spirits; Sky Spirits; Water Spirits.

Families

Eskimo, size of 18: 29.

Hopi, determination of 19: 651 sq.

occupying Oraibi 8: 105-108.

See also Peoples.

Family

a loose unit 47: 39.

among the Kwakiutl 35: 397.

among the Tsimshian 31: 419 sqq.

Family—Continued

and marital relationships, Guiana

Indians 38: § 877-880.

authority in 27: 325 sq.

definition of the term 1: 59.

histories 35: 836-1277

home of 45: 150 sq.

life 47: 238 sq.

life of the Assiniboin 46: 503-508.

Muskogee conception of 42: 79.

obligations of 42: 382.

offenders protected by 42: 343.

organization of the 17: xxxi, xxxiii.

privileges 35: 1353, 1358.

rights of, in case of murder 42: 343.

separation of 35: 838.

Seri, regimentation of 17: 270*-274*.

See also Kinship.

Family History 35: 778.

Family, Linguistic, definition of 7: 11.

Family Marks of the Eskimo 18: 325 sq.

Family Organization

of the Pima 26:

aged people 192 sq.

baptism 188.

ceremony of purification 187 sq.

children 185 sqq.

death and burial 193 sqq.

education 190 sqq.

marriage 183 sqq.

mourning 195.

names 189.

puberty dance 182 sq.

relations before marriage 182.

Famine

at the end of winter 31: 45.

on St. Lawrence Island 18: 269, 270; 46: 216.

story about 43: 343-349.

Fan

fish-comb type of 38: § 367.

manufacture of 38: § 366-376.

Wapishana name for 38: § 366.

Fancher, G. L., pottery donated by 10: xxi sq.

Fancy (1)

enigmatical objects found at 34: 115.

midden at 34: 91.

Fancy (2)

- influence of, on form, Middle Mississippi Valley pottery 20: 85.
- modifying form of pottery 4: 452.
- play given to, in Florida mortuary pottery 20: 120.
- play given to, in Iroquoian pipes 20: 174.

Fannin Place, flint on 44: 516.

Fans of Africa, devouring of the dead by the 1: 182.

Fans

- made of birch bark 44: 390.
- made of feathers 45: 77.
- made of turkey feathers 13: 17.
- restrictions on use of 30: 303.

See also Fan.

"Far," radical of "Farina," etc. 9: 545 sq.

Far-up, Kiowa name of Wóifdóish 17: 295.

Far View House

- pueblo named by Dr. J. W. Fewkes 38: p. 3.
- pueblo entirely prehistoric 38: p. 3.
- repair of 41: 50, 81.

Farewell Dance 37: 385.

Farewell Songs 37: 385.

Farfan, M., visit of, to Arizona in 1598 13: 185.

Farine; Farinha

- a preparation of cassava 38: § 236.
- special basket for transport of 38: § 415.

Farley, Rosalie La Flesche, reference to 27: 624.

Farmer, Government, activities of 47: 53, 56, 59.

Farmer, John, on influence of wild rice on geographic nomenclature 19: 1120, 1122.

Farming

- among the Cherokee 19: 82, 105, 112.
- among the East Cherokee 19: 166.
- government aid in 19: 82.
- outlook, Matsaki used as 8: 86.
- outlook, near Kintiel 8: 93.
- tools for, among the Cherokee 19: 101.

See also Agriculture.

Farming Pueblos

- Cibola 8: 14.
- Moen-kopi 8: 77.

Farming Pueblos—Continued

- Nutria 8: 94, 95.
- Ojo Caliente 8: 96.
- Pescado 8: 95 sq.
- Zuñi 8: 198.

Farming Shelters, discussion of 16: 142.

Farming Villages

- cliff ruins classed as 16: 156.
- of the Pueblos 16: 156.

Farmington, Conn., pot from 20: 178.

Farnham, —, quoted on Creek government 42: 330.

Farnsworth, Lieut. H. J., fight with Cheyenne by 17: 211.

Farquharson, Prof. R. J.

- cited 12: 601.
- description of fabrics from Iowa by 3: 411.
- description of shell vessel by 2: 197.
- on the Davenport Tablets 12: 634.

Farrand, Dr. Livingston

- acknowledgment to 29: 12.
- material collected by 24: 156.
- mention of 31: 18.
- work of 24: xxv; 26: xxv.

Farrell, E. G., work of 25: xxiii; 26: xxix.

Fasciolaria Shells

- columellae of, used for pins 2: 213.
- used as vessels 2: 194.

Fast

- of boys 42: 563, 575.
- of men 42: 571.
- of the busk 42: 546, 590-593.
- of women 42: 571.
- strict observance of 42: 592.

See also Fasting.

Fast, meaning "rapid," pictograph for 10: 590.

Fast Bear, attempt to arrest 17: 329.

Fast-eating Contest, Winnebago 37: 485.

Fast Horse and Wife, assistance rendered by 33: 46.

Fast Thunder

- conduct of, in Sioux outbreak 14: 884.
- on the Sioux outbreak 14: 839.

Fasteners for belts, Eskimo 18: 59-63.

Fastenings of doors 8: 186.

Fastening Rods for Eskimo women's
"housewives" 18: 105, 106.

Fasting

- a test of religious attitude 37: 277.
- among Siouan Indians 11: 390, 436, 502; 15: 184.
- among the Cherokee 19: 120, 321, 329, 335, 340, 341 *sq.*, 423, 470, 480.
- antenuptial 38: § 885.
- as a hunting custom 45: 184.
- as a medium for trances 14: 700.
- as a mourning custom 40: 37, 38, 117, 173, 507.
- as a preparation for war 42: 408.
- as a punishment 40: 297, 338, 341, 551.
- as a purification rite 42: 410, 416, 422; 45: 174.
- before ball game 42: 457.
- before going to war 42: 429.
- benefits accruing from 40: 67, 545 *sq.*, 561.
- blessings obtained by 37: 166 *sq.*
- ceremonial 47: 132, 286, 290, 315.
- ceremonial, by the Winnebago 14: 110.
- competition in 30: 223.
- during eagle trapping 14: 993.
- efficacy of 40: 381.
- essential to training of priests 42: 617.
- experience in 37: 275.
- for the busk 42: 574.
- for war powers 37: 157, 160.
- in chieftainship ordeal 38: § 745.
- in Menomini myth 14: 224.
- in puberty ceremony 27: 129, 131.
- in the Sun dance 3: 272.
- in times of scarcity 46: 509.
- instruction for 37: 169, 171.
- instrument used in 40: 557, 563, 565, 567, 583.
- length of time of 40: 563, 569, 583, 587.
- list of works treating on 40: 546, 547.
- mention of, in myth 40: 37.
- object of 42: 593; 46: 489 *sq.*
- observance of, at busk 42: 592.
- omission of, in illness 40: 565.
- on the part of Hopi katecinas 21: 42, 53.

Fasting—Continued

- ordeals of 30: 308 *sq.*, 314, 319 *sqq.*
- personal account of 37: 293-309.
- preliminary to Ghost dance 14: 822.
- to avert calamity 42: 535.
- to gain supernatural knowledge 40: 38, 49, 425, 473.
- to insure long life 40: 81.
- to obtain blessings 40: 71, 73, 75, 77, 79, 545, 551, 555, 583, 589.

See also **Fast**.

Fat

- Eskimo manner of eating 18: 267 *sq.*
 - of alligator, for cure of earth eating 38: § 253.
 - of frog and toad, for artificial coloration of feathers 38: § 84.
 - symbolism of 22, ii: 23, 244.
 - use of 22, ii: 20, 26.
- See also* names of various animals.

Father

- and child, wi'-gi-e for benefit of 43: 60-67.
- application of the term 42: 80, 92.
- articles furnished by, in Hako ceremony 22, ii: 20.
- attitude of, toward children 42: 363, 365.
- ceremonial dress of 22, ii: 58.
- feeding of children by 22, ii: 105-117, 313-317.
- gifts of ponies to 22, ii: 260.
- gifts to, by outsiders 22, ii: 147, 327.
- lodge of, diagrams of, during ritual 22, ii: 36, 49, 59, 62.
- lodge of, rituals of Hako ceremony taking place at 22, ii: 19, 26-58.
- preparation of, for the journey of the son 22, ii: 60.
- relation of, to daughter 40: 343.
- relation of, to son 40: 343.
- requirements and duties of 22, ii: 18, 19, 23.
- selection and duties of 22, ii: 18, 19.
- son maltreated by 35: 1097, 1180.
- use of the term 47: 624.

Father-in-law

- application of the term 42: 82, 84.
- attitude toward the 42: 451.

Father-in-law—Continued

- taboo of 46: 503 *sq.*
- term employed for 42: 92.

Fatigue

- how treated by the Zuñi 30: 45.
- sign for 1: 305.

Fauna

- delineation of 10: 749.
- known to the Omaha 27: 103.
- of Seriland 17: 36–39.
- See also* **Animal**.

Fauvel, J. B. F., land-treaty witness 14: 29.**Favus** among the Pima Indians 26: 268.**Fawn Skins**

- use of, in dress of Hopi kateinas 21: 107.
- value of, among the Eskimo 18: 232.

Fawn, Spotted, in Iroquoian cosmology 21: 173, 236.**Fawns**

- Eskimo method of hunting 18: 119.
- spots on, in Iroquoian cosmology 21: 253.

Fawns, Two, story about 43: 331–339.**Fay, Prof. E. A.**, contribution of, on signs 1: 309, 408.**Fay and Davidson**

- on battle of Horseshoe Bend 19: 95, 96.
- on battles of Emukfaw and Enotochopoco Creeks 19: 93.
- on capture of Hillabee 19: 91.

Fayette County, Pa.

- glyphs from Indian grave in 10: 112.
- pictographs in 4: 20, 224.

Fayne, Captain —, expedition against Cherokee under 19: 65.**Feaks, Robert**, purchase of land by 18: 616.**Fear**

- influence of, in primitive number concept 19: 843 *sq.*
- of disease among Guiana Indians 38: § 918.
- pictograph for 10: 590 *sq.*
- sign for 1: 506.

Feast

- and potlatch combined 35: 1027.

95719°—33—24

Feast—Continued

- at Navaho house dedication 17: 506.

attendants at 35: 438.

blankets given in 35: 1062.

ceremonial, at Zuñi 13: 327.

ceremonial, in Tusayan 15: 293, 294.

ceremonial, of the Menomini 14: 73.

ceremonial, songs of 39: 226.

during erection of mound 41: 500.

“eat-all-up” 32: 515.

Ghost dance accompanied by 14: 1038.

gifts given in return for 35: 766.

house 35: 1349.

hunting, of the Menomini 14: 151.

in Menomini myth 14: 227.

in Smohalla ceremony 14: 729.

mention of 35: 320.

mortuary, of the Menomini 14: 69.

mortuary, of the Ojibwa 14: 68.

name 35: 841, 888.

of chiefs 35: 1115.

of currants 35: 751.

of huckleberries 35: 754.

of mountain-goat brisket 35: 433–436.

of mountain-goat meat 35: 437.

of qōt!xolē 35: 775.

of salal-berries and crabapples mixed 35: 767–775.

of salmon berries 35: 760.

of the dead at Zuñi 13: 338.

of the Heyoka 11: 469.

of the Kwakiutl 35: 865, 991 *sqq.*, 1043, 1060, 1072, 1114.

of the Pishofa dance 44: 258.

of viburnum berries 35: 755.

oil 35: 755.

promise of 35: 753, 754.

sacred, in Sioux ceremony 14: 824.

seal 35: 756.

seats in 35: 771.

serving of, in Pamūr̄ti festival 21: 28.

songs of Neg’ädzē 35: 1291.

songs 35: 1045, 1061, 1293.

See also **Feasting; Feasts**; etc.**Feast Day**, observance for 42: 554.**Feast Name** 35: 786, 787

Feast of Mourning of the Tlingit 26: 431.

Feast of New Corn 42: 568, 580, 584, 603, 605.

See also **Busk**.

Feast of Soldiers, Ponca, account of 27: 44, 500.

Feast of the Count, account of the 27: 497-500.

Feast of the Hoⁿ'hewachi
general description of 27: 500-503.
tattooing 27: 503-509.

Feast Songs 35: 333, 437, 565, 753, 757, 759, 763, 764, 766, 769, 772, 788.

Feasting

among the Siouan Indians 15: 184

attending ceremonial 47: 132.

during Tusayan Snake dance 16: 295.

in times of plenty 46: 509.

societies of the Omaha 3: 342; 15: 214.

Feasts

afraid-to-eat greens 37: 384.

after return from war 3: 331, 332.

at adoption 37: 139.

at election of chiefs 3: 361.

at wake 37: 141, 142, 145.

burial 1: 190; 45: 164.

Calumet 3: 279.

Calumet, preliminary 3: 279.

celebrating renewal of friendship 42: 551.

description of 42: 535 *sq.*

Eskimo 18: 357-393, 424 *sq.*

foods served at 42: 599.

given at ball ground 42: 404.

Hekana 3: 354.

in honor of chief 37: 319 *sq.*

invitations to 37: 329.

Mandan 3: 373.

marriage 3: 260.

mention of 3: 270, 272.

naming 37: 128.

need of large vessels in preparation of 20: 60.

of Bear clan 37: 321.

of Buffalo society 37: 344-347.

of Medicine dance 37: 362.

of Night-blessed children 37: 329-343.

of those blessed by Herok'a 37: 343.

Feasts—Continued

of three kinds 45: 163 *sq.*

of Thunderbird clan 37: 427-547.

of War-bundle ceremony 37: 430, 481 *sqq.*

series of 42: 556.

social 42: 708.

soup-drinking 42: 555 *sq.*

the Wacicka 3: 342.

to Buffalo Tail 37: 387.

to Earthmaker 37: 126.

to renew friendship 42: 551.

to the dead, Eskimo 18: 363-379, 424 *sq.*

war preparatory 3: 315, 319.

See also **Feast**; **Feasting**; **Religion**.

Feather

apron belts 38: § 550.

artificial coloration of 38: § 84.

attachment of, to arrows 38: § 83, 132.

attachment of, to other feathers 38: § 81.

attachment of, to sticks 38: § 82.

attachment of, to string 38: § 79, 80.

blankets of the Choctaw 13: 24.

caps 38: § 528.

crowns 38: § 519-527.

decoration on pottery from Pueblo ruins, description of 22, i: 149.

decoration on pottery from Pueblo ruins, figures showing 22, i: 151.

deposited on Tusayan altar 16: 284.

fabrics from Sikyatki 17: 629.

Ghost dance ceremony of the 14: 909, 918.

headdresses, use of 45: 73, 75.

Indian use of 19: 503 *sq.*

magic 32: 174.

magic use of 32: 120.

ornaments 38: § 529.

pictographs for 4: 60.

pigeon, used to baffle pursuer 32: 272.

portent of evil 32: 103.

red, symbolic use of 43: 67.

Serian and Yuman names for 17: 332* *sq.*

study of symbolism of 19: xx.

symbols on Hopi pottery 17: 663.

symbols on Sikyatki pottery 17: 658, 682-698, 714, 723, 724.

Feather—Continued

- tippets 38: § 538, 591.
- used to magically create barrier to pursuer 32: 674.
- wand or baho used in kiva-building ceremonials 8: 119, 120, 129, 130.
- weaving among Louisiana Indians 13: 25.
- white, symbolic use of 43: 34.
- work, description of 13: 27.
- work, lack of remains of 13: 12.

See also Bird; Feathers.

Feather-cap. *See* Tsóñbohón.

Feather Crowns. *See* Crowns, Feather.

Feather Dance

- discussion of 42: 609.
- performance of 42: 586, 607.
- reference to 42: 294.

See also Tcithaia.

Feather Dart, Zuñi dice game 24: 210.

Feather Headdress

- description of 42: 594.

See also Buzzard; Owl.

Feather Mountain 35: 1221.

Feather-plaited Doctor (Civan), in Piman legend 28: 51, 52.

Feather Quills, Eskimo fishing lines made of 18: 175 sq.

Feather-setter for making Eskimo arrows 9: 294.

Feather Symbolism

- on Pueblo pottery, occurrence and character of 22, i: 73, 75-81.

See also Breath Feather.

Feather Vanes, Eskimo noose made of 18: 124.

Feathered Gens

- reference to 40: 503, 517.

See also Thunder Gens.

Feathered-Lance. *See* Gaápiatáñ.

Feathered Plumes in Pawík katchina 15: 300.

Feathered Stem

- blue, painting of 22, ii: 37 sqq., 287.
- blue, symbolism of 22, ii: 42, 99.
- decoration of 22, ii: 37-42.
- green, painting of 22, ii: 39, 40, 288.
- green, symbolism of 22, ii: 42, 99.
- preparation of stick for 22, ii: 35.
- songs for laying down 22, ii: 111-117.
- symbolism of 22, ii: 111.

Feathered Stems

- construction and symbolism of 22, ii: 20, 21, 283-291.
- names of 22, ii: 19, 20.
- plates representing 22, ii: 38, 40.
- reverence of many tribes for 22, ii: 21, 279.
- transfer of, from tribe to tribe 22, ii: 20, 21, 361.

Feathered Strings

- appearance of, in Hopi pictures 21: 56, 96.
- in Cipaulovi ceremony 16: 277.
- of Tusayan 15: 268, 281, 284, 289.
- on Cunopavi altar 16: 288.
- on Oraibi altar 16: 291, 292.
- representation of, on pottery 17: 662.

Feathering

- of arrows 14: 276.
- of body, Guiana Indian 38: § 514, 761, 886.
- on Eskimo arrows and spears 18: 136, 137, 151, 157, 159, 160, 161.

Featherman, —, cited 4: 78.

Feathers

- antelope priests decorated with 16: 292.
- appearance of, in pictures of Hopi katchinas 21: 59, 60, 64, 65, 75, 81, 83, 86, 87, 93, 95, 96, 98, 100-103, 108, 112, 113, 117, 121, 122.
- as a medium of exchange 14: 992.
- as a protecting medicine 14: 790.
- attached to amulet 14: 904.
- blue-jay, use of 47: 660.
- Casa Grande, garments of 28: 148.
- ceremonial use of 14: 999.
- crow, Indians defrauded with 14: 901.
- crow, sacred regard for 14: 1034.
- downy, symbolism of 47: 863.
- eagle, a mark of rank 46: 553.
- eagle, attached to Ghost shirts 14: 798.
- eagle, Caddo sacred use of 14: 1093.
- eagle, in Cohonino ceremony 14: 813.
- eagle, sacred use of 14: 992.
- eagle, song pertaining to 14: 1100.
- eagle, use of 47: 500, 660, 863.
- eagle, used in hypnotism 14: 923, 925.

Feathers—Continued

- eagle, used in Ghost dance 14: 916, 979, 1099, 1101.
- eagle, used in war bonnets 14: 1072.
- eagle, value of 46: 589.
- engraved representations of, South Appalachian pottery 20: 140.
- Eskimo ceremonial objects made of 18: 396, 397, 399, 401, 405, 410, 412-416.
- Eskimo ornamentation with 18: 37, 168.
- garments made of 42: 682.
- handling of, conducive to insanity 30: 166, 275.
- head, of the Arapaho 14: 964, 965.
- in Oraibi costumery 16: 293, 294.
- in Smohalla ceremony 14: 729.
- in Snake dance ceremony 16: 298.
- in Tusayan ceremony 15: 275, 276, 277, 278, 279, 281, 283, 285, 286, 296; 16: 279, 280.
- Indian trade in 14: 472.
- indicating deeds of valor 45: 157.
- Kiowa robe of 14: 906.
- magic power attributed to 33: 228.
- magpie, ceremonial use of 14: 999.
- magpie, presented by Wovoka 14: 901.
- magpie, prized by Paiute 14: 775.
- on prayer sticks 17: 739.
- ornaments of, absence of, on mask of Momi 21: 37.
- peculiar use of, in dress of Hopi kateinas 21: 41, 66.
- prayer, use of, by Hopi kateinas 21: 76.
- prayer, use of, in Flute ceremony 21: 30.
- red, use of, in representations of Hopi kateinas 21: 72.
- ritualistic use of 47: 262.
- ruffs of, on mask 47: 862.
- sacred use of, by Wovoka 14: 776.
- significance of 14: 268; 33: 227.
- strewing of, to mark path 30: 132.
- symbolic uses of 15: 169.
- symbolism of 42: 436; 47: 127, 481.
- symbolism of, in Ghost dance 14: 789.
- turkey 32: 277.

Feathers—Continued

- turkey, appearance of, in representations of Hopi kateinas 21: 67.
- turkey, on Cheyenne arrows 14: 1024.
- turkey, use of 47: 660, 677.
- use of 34: 230.
- use of brushes of, in pottery decoration, Eastern United States 20: 67, 86.
- use of, by kateinas 47: 863 *sq.*
- use of, by Pueblo Indians 14: 544, 559, 570.
- use of, for garments 14: 517.
- use of, in ceremonial observances 9: 533 *sqq.*
- use of, in Ghost dance 14: 786, 919, 1084.
- use of, in house building ceremonies 8: 101, 102.
- use of, in medicine hut 9: 582.
- use of, in Pamürti festival 21: 28.
- use of, in pottery 46: 58.
- use of, in representing bird kateinas 21: 25.
- use of, in Sumaikoli 21: 57.
- used as war insignia 37: 161 *sq.*
- used in Crow dance 14: 922.
- varieties of, used on prayer-sticks 47: 274.
- war, of the Menomini 14: 268.
- See also Eagle; Feather; Prayer Feathers; and names of various birds.*
- Feathers and Quills**, pictographs on 10: 207 *sq.*
- Featherstonhaugh, George William**
 - on birds destructive to wild rice 19: 1027.
 - on duck in Minnesota River 19: 1098.
 - on influence of wild rice on geographic nomenclature 19: 1120.
 - on wild rice at Fort Winnebago 19: 1034.
 - on wild rice in Delaware 19: 1029.
- Featherstonhaugh, Thomas**, Indian relics donated by 10: xxii.
- Featherwork** 33: 334, 618, 622, 642, 643, 648, 649, 658.
- Features**, unusual, of Walpi Snake dance 19: 978 *sq.*
- Febrifuge** 38: § 927.

- February**, Hopi ceremonies in 21: 22, 85.
- Feces and Entrails** of animals eaten by Point Barrow Eskimo 9: 62.
- Fechét, Capt. E. G.**
at arrest of Sitting Bull 14: 856, 857.
pursuit of Sitting Bull's warriors by 14: 858.
- Fecundity** of the Eskimo 46: 107.
- Federal Council** of the Iroquois 43: 459.
- Feeble and Aged**, neglect of the 38: § 917.
- Feeling for Fish** 38: § 185.
- Fees**
ceremonial sending of 43: 38 *sqq.*
distribution of 43: 68.
for initiation 39: 46.
for reciting wi'-gi-e 39: 62.
for services 39: 274.
given to the A'ki-hoⁿ Xo'-ka 39: 196.
given to the Wa'-doⁿ-be 39: 181.
- Feet**
Eskimo 46: 359.
Indian 46: 246.
reversed, people with 30: 363.
western Eskimo 46: 215-227, 246, 249, 253.
See also **Foot**; etc.
- Feet (of vessels)**
Eastern United States pottery, recentness of 20: 62.
Middle Mississippi Valley pottery 20: 93.
Ohio Valley pottery 20: 185.
See also **Bases**; **Legs**.
- Feet and Tracks**, human and animal, pictographs of 10: 715 *sq.*
- Fejervary Codex**
bird symbol in 16: 220.
mention of 3: 31, 32, 52, 53, 55, 56, 57, 58, 59, 61, 63.
numerals from 19: 939-943.
reference to symbols in 16: 250.
scheme of 3: 35.
- Felcata Comosa**, a sacred food plant 39: 129.
- Feldspar**, deposit of 29: 580.
- Felis Hippotestes Aztecus**, eaten by the Pima 26: 81.
- Fellowhood**
among the Kansa 16: 232.
Wyandot, institution of 1: 68.
- Fellows, J.**, transaction of Seneca with 18: 770, 772, 776, 818.
- Felton, Alonzo**, mounds on farm of, New York 12: 505.
- Female**
children, Eskimo custom of killing 18: 289 *sq.*
signs for 1: 300, 357.
- Female Force**
invocation of 22, ii: 333-336.
symbols of 22, ii: 42, 280, 288, 289.
- Females**, Lower Yukon, compared with males 46: 164.
- Females and Dancing** 38: § 595.
- Femur**
mention of 46: 156, 159, 160, 164, 165.
Western Eskimo 46: 314-317.
- Fences**
and weirs for trapping fish 38: § 203.
around Menomini graves 14: 240 *sq.*
of corrals and gardens 8: 215, 217.
of the Menomini 14: 255.
- Fenner, Clarence N.**, collaborator 34: 26.
- Fenton, Mo.**, occurrence of salt-making vessels near 20: 31.
- Ferdinand, King of Naples**
family of 14: 474.
speech in signs 1: 294.
- Ferguson, General** —, attempted invasion of North Carolina and Virginia by 19: 56 *sq.*
- Fermented Drinks** 38: § 256-268.
- Fermin, P.**, cited 30: 291, 313.
- Fernandez, Alonso**, quoted on sacrificial bread of the Pueblos 9: 545.
- Fernandez, Domingo**, Spanish soldier, death of 14: 538.
- Fern**
as weather charm 35: 623, 628.
in Cherokee lore 19: 420.
medicinal use of 42: 668.
- Fern Fronds**
mention of 35: 482, 533, 536, 538, 555, 586.
used in steaming 35: 257.
- Fern, Lady**, use of 44: 287
- Fern, Rattlesnake**, use of 44: 288.

Fern Roots

- belief regarding 35: 524.
- cleaning of 35: 518.
- digging of 35: 195, 196, 616.
- eaten with salmon-spawn 35: 343.
- eating of 35: 523.
- not dug by young women 35: 616.
- preparation of 35: 524, 526.
- steaming of 35: 517.
- use of, as medicine 35: 527.
- with salmon-spawn 35: 342.

Fernold, M. L., on wild rice in Maine and Massachusetts 19: 1030.

Fernow, Berthold, on Cherokee population 19: 34.

Ferrel, B. de, pilot and successor of Cabrillo 14: 411.

Ferrules on Eskimo whips 18: 210.

Ferry, H. de 46: 331, 368.

Fertility of design of Navaho silver-smiths 2: 177.

Fertility Rites 47: 535 *sq.*

Fertilization, idea of, discussion of 47: 488.

Festival

- after death of chief 35: 1088, 1091 *sq.*
- burial 38: § 839, 840.
- harvest 38: § 580.
- in honor of three sisters, guardians of vegetables 2: 53.
- name for 29: 69.

Festival of the Gentes

- mention of 40: 71.
- See also* Gens Festival.

Festivals

- among the Okanagan 45: 277.
- at Abiquiu 29: 137.
- Jicarilla Apache 29: 137.
- of the Eskimo 9: 365, 373-376; 18: 357-393, 424-455.
- of the Nenenot 11: 322.
- of the Pima 26: 170 *sq.*
- See also* Feast; Feasts.

Festivals, Hopi

- abbreviated 21: 20.
- classification of 21: 19.
- elaborate 21: 20.

Festivals, Iroquois

- gathering the corn 2: 115.
- green corn 2: 115.
- New Year 2: 112.
- planting corn 2: 115.
- strawberry 2: 115.
- tapping the maple tree 2: 115.

Fetish

- advice by 32: 382, 384.
 - advises how to kill enemy in lodge 32: 379, 381.
 - ceremonies connected with hunting, Zuñi 2: 33.
 - coyote, Zuñi hunter god of the west 2: 26.
 - eagle, Zuñi hunter god of the upper regions 2: 29.
 - given to boy to overcome enemy 32: 379.
 - in Pima song 26: 325.
 - made from the bone of a monster 32: 501.
 - mole, Zuñi hunter god of the lower regions 2: 30.
 - mountain-lion, from Awatobi 17: 618.
 - mountain-lion, from Sikyatki 17: 730.
 - mountain-lion, Zuñi hunter god of the north 2: 25, 40.
 - Navaho pony 2: 44.
 - Navaho sheep 2: 44.
 - personal, from Sikyatki 17: 729.
 - stone, from Pueblo Viejo ruins, cut showing 22, i: 186.
 - used to save life 32: 467.
 - wild cat, Zuñi hunter god of the south 2: 27.
 - wolf, Zuñi hunter god of the east 2: 28.
 - worship of, by Siouan Indians 15: 184.
 - Zuñi, falcon and ground owl 2: 30.
 - Zuñi, knife feathered monster 2: 40.
 - Zuñi, white bear 2: 40.
 - See also* Fetishes.
- Fetish Cult**, traces of, in Guiana 30: 137-140.
- Fetishes**
- absence of, on Cipaulovi altar 16: 279.
 - animal 47: 277 *sq.*
 - belief in 46: 495.
 - Casa Grande 28: 121, 145.
 - concretions used as 13: 366.
 - description of 47: 277 *sqq.*
 - dolls used as 47: 718.
 - feeding of 25: 147; 47: 490.
 - found in graves at Sikyatki 14: 519.
 - from Pueblo ruins, character and uses of 22, i: 107 *sqq.*

Fetishes—Continued

- handling of 23: 124.
- in Oraibi antelope altar 16: 291.
- in Oraibi kiva 16: 299.
- ivory 46: 173.
- material used by Zuñi in making 2: 25, 40.
- material used by Zuñi in ornamenting 2: 25, 40.
- mention of 4: 201.
- of Corn group 47: 270.
- of Navaho origin 2: 44.
- of the ancient Zuñi 13: 359.
- of the Eskimo 18: 434-441.
- of the medicine man 47: 129.
- of the Omaha 3: 276.
- of the priests 47: 490.
- of the Seri 17: 86 *sq.*, 185*, 259* *sqq.*, 265*, 290*.
- of the shaman 47: 784.
- petrifications regarded as 15: 277.
- prayer song over 23: 125.
- sacred character of 15: 182.
- shell, from Barbados 34: 86.
- stone 34: 113 *sqq.*
- to insure crops 44: 436.
- Tusayan kivas 8: 130, 131.
- use of, in ceremonials 11: 40, 95, 120, 135.
- use of, in sun-calling ritual 47: 279.
- value of 47: 491.
- where placed during kiva ceremonials 8: 122.
- Zuñi 2: 12.
- Zuñi, council of the 2: 32.
- Zuñi, custodianship of the 2: 30.
- Zuñi, of the prey gods of the hunt 2: 20.
- Zuñi, of the prey gods of the bow priesthood 2: 40.
- Zuñi, of the prey gods of the six regions 2: 19.
- Zuñi, place of deposit of 2: 31.
- Zuñi, power of the 2: 15, 33.
- Zuñi, relative value of the 2: 30.
- Zuñi uses of 23: 438.
- See also* Charms; Fetish; Fetishism.

Fetishism

- among the Northern Indians 11: 201, 272.
- among the Siouan Indians 11: 412, 426, 443, 498, 510, 515.
- definition of the term 1: 32, 41.

Fetishism—Continued

- discussion of 47: 490 *sq.*
- origin of Zuñi 2: 12.
- Fetterman, *Capt. W. J.* 4: 144.
- Fetterman, *Colonel* —, massacre of command of 17: 183.
- Fetus of reindeer, eaten by the Point Barrow Eskimo 9: 61,
- Feuds**
 - among the Coeur d'Alène 45: 129 *sq.*
 - among the Eskimo 18: 292 *sq.*
 - between families of Okanagan 45: 259.
 - the result of murder 46: 453.
 - See also* Retaliation; Revenge.
- Fever**
 - Creek remedies for 42: 655, 656, 657, 663, 665, 667, 668.
 - Guiana Indian treatment of 38: § 927.
 - Zuñi treatment of 30: 45, 53.
- Fever River, reservation at 18: 712.
- Few Tails Affair, account of 14: 889, 890.
- Fewkes, *Dr. Jesse Walter*
 - acknowledgments to 41: 494; 43: 294; 44: 32.
 - administrative reports of 41: 1-116.
 - appointment of, as chief of the Bureau 39: 27.
 - archeologic collection of, in Porto Rico 23: xli *sq.*
 - archeologic explorations of, in the Southwest 23: xvi *sq.*
 - archeologic survey of Porto Rico by 23: xxvii.
 - assistance rendered by 42: 729.
 - bowl collected by 47: 13.
 - bulletin by 28: 17.
 - cited 33: 169, 170, 174, 177, 180, 196, 200.
 - cited on symbolic colors 11: 532.
 - collections made by 41: 20, 43, 72; 42: 18; 44: 18.
 - collection made by, Casa Grande 28: 20, 121, 161-179.
 - collection made by, in Chihuahua 23: xli.
 - collection of specimens from New Mexico 23: xli.
 - contributor to Bureau 48: 1189.
 - description of Casa Grande by 13: 298.

Fewkes, Dr. Jesse Walter—Contd.

- discovery of ruins by 21: XIX.
 excavations made by 14: 519.
 ethnologic research of 32: 14.
 field work of 20: x sq.; 21: XI.
 Hopi paintings obtained by 21: XXV.
 Hopi songs recorded by 44: 18.
 identification of Hopi altar by 19: XLIX, LI sqq.
 investigation of "zemi" of Porto Rico by 23: XL.
 material collected by 24: 164.
 memoir by, on Hopi kateinas 21: 13-26; 23: XXVI, XLIII.
 memoir by, on Pueblo ruins 23: XLIII.
 memoir by, on pottery of Arizona and Mexico 23: XXVI, XLIII.
 memoir by, on Tusayan kateinas 15: c, 245-313.
 memoir by, on Tusayan Snake ceremonies 16: LXXXVIII, XCVII, 257-312.
 memoirs by 17: LXIII sqq., LXXII sq.; 19: XXXIX sq., XLV sq.; 28: 23, 181.
 mention of 32: 9.
 model of Hopi altar by 19: XLVIII.
 monograph by, on Casa Grande 31: 10 sq.
 obituary of 48: 1221.
 office work by 20: XIII; 22, i: XVI-XIX, XXIII.
 on altars of Hopi Twin War Gods 24: 34.
 on archeological expedition to Arizona in 1895 17: 519-744.
 on ball game, Tewa 24: 681.
 on Bear Spring 29: 561.
 on cardinal directions in ceremonies 16: 257.
 on ceremonial cups, Tusayan Tewa 24: 338 sq.
 on Colorado River 29: 564.
 on estufas 14: 520.
 on European games, Hopi 24: 795 sq.
 on Flute ceremony, Hopi 24: 649.
 on gaming canes, Tewa 24: 46.
 on Hano 29: 570.
 on hidden ball, Hopi 24: 361 sqq.
 on Hopi ceremonials 14: 544, 550.
 on Hopi use of bull-roarer 14: 975.
 on Jemez 29: 400.

Fewkes, Dr. Jesse Walter—Contd.

- on Laguna 29: 540.
 on Lalakonti ceremony, Hopi 24: 426.
 on Mishongnovi Drab Flute altar 24: 338.
 on Nambé Pueblo 29: 359.
 on New-fire ceremony 19: 503.
 on Oraibi Marau ceremony, Hopi 24: 425.
 on Pawikpa 29: 563.
 on Pima cup stone 26: 181.
 on Pojoaque 29: 335.
 on pottery bowl, Hopi 24: 164.
 on San Francisco mountains 29: 88.
 on San Ildefonso 29: 304.
 on San Juan 29: 211, 212.
 on Sandia 29: 526.
 on Santa Clara 29: 241.
 on Sipapu 29: 568.
 on Snake dance 14: 561.
 on Sun priests and kiva ceremonies 14: 518.
 on Tesuque 29: 387.
 on Tsawarii 29: 254.
 on Walpi 29: 570.
 paper by, note on 33: 39, 40.
 papers by 34: 25; 37: 27; 39: 24; 40: 17, 18.
 publication of memoir by 17: LVI.
 report on Pueblo ruins in Arizona 22, i: XLIII, 1-195.
 reports of 40: 1-20; 42: 1-19.
 researches of 16: LIX, LXIX; 27: 8.
 researches of, among Hopi Indians 31: 10.
 researches of, at Tusayan and Zuñi 14: 339, 359.
 retirement of 45: 1, 19.
 site named for 4: 559.
 Soyaluna altar at Walpi figured by 24: 337.
 specimens collected by 36: 33; 40: 20.
 studies of, among the Hopi 21: xv, XVI, XXX, XL.
 studies of, in Amerindian symbolism 20: 100.
 study of fraternities and cults by 19: XLVIII.
 study of Porto Rican economy by 23: XIV.

- Fewkes, Dr. Jesse Walter**—Contd.
 systematic research by 33: 12.
 Tusayan Flute and Snake ceremonies by 19: 957, 1011.
 Tusayan immigration traditions by 19: 573-633.
 volumes presented by 39: 25.
 work of 17: xxxix, xlv sq., lviii;
 18: xxvii, xxxi sq., xliv, xlvi sq.;
 19: xiii sqq., xix sqq., xxx; 24:
 xiii sq., xxvii, xxviii, xxix; 25:
 x, xii sq., xiv sq., xxii, xxvi-
 xxix; 26: xiv sqq.; 28: 13, 17,
 21 sq.; 29: 14-17, 20, 21; 30:
 10, 20, 22; 34: 8-12; 35: 14 sqq.;
 36: 10 sqq.; 37: 4-7; 39: 9, 12
 sq.; 40: 2 sqq.; 41: 4 sqq., 27-31,
 50-54, 79-82, 101 sqq.; 42: 4;
 43: 2-5; 44: 2.
 work of, on Pueblo mythology 22, i:
 xxxvi.
- Fewkes Canyon**, construction of road
 along 41: 28.
- Fewkes Group of Mounds** 41: 559-
 614.
- Fiber**
 and leather artifacts, Pima 26:
 113-123.
 bundles of, in cavate lodges 13:
 228.
 clothing and sandals 13: 358.
 use of 45: 495 sq.
 use of, as tempering material, eastern
 United States pottery 20: 46,
 117, 121.
 use of brushes of, in pottery decora-
 tion 20: 67.
- Fiber Zibethicus Pallidus**, eaten by
 the Pima 26: 80.
- Fictile**
 art related to written language 4:
 443.
 fabrics, pictographs on 10: 215.
 ware, from New Mexico, collection
 and study of 18: xxxi sq.,
 XLVII.
 ware, of the Seri 17: 182*-185*.
- Ficus Venenata**. *See* Pougouly.
- Fiddle** 38: § 572.
- Fiducial Activities**, progress of re-
 search in 17: xxxv sqq.
- Field**, —, on Davis's history 19:
 202; 25: 31.
- Field**, clearing of 30: 131 sq., 187,
 316.
- Field Columbian Museum**
 agreement of, with the Bureau 25:
 xiii.
 models of altars in 19: XLVIII.
- Field Deities** in Dresden Codex 16:
 226.
- Field Museum of Natural History**
 reference to 41: 211.
 researches of 27: 8.
- Field Researches and Explorations**
 27: 8.
- Field Studies** 9: xxvii.
- Field Work of the Bureau**
 areas covered by 20: ix.
 detailed report of 20: x sq.
 mention of 2: xxv; 3: xviii; 6:
 xxvi-XLIII; 7: xvi-xxx; 8:
 xviii, xxiii; 9: xxv sqq.; 10:
 x-xvii; 13: xxvi; 18: xxvii-
 xxx; 22, i: x-xiv; 25: xiii-
 xvii; 26: ix sq., xii-xxi.
 scope of 22, i: ix.
- Fielder**, interpretation, cited 4: 117.
- Fielding, Albert E.**, mention of 43:
 213.
- Fielding, Everett M.**, mention of 43:
 213.
- Fielding, Fidelia A. H.**
 diary of 43: 205, 228-251.
 remarks on life of 43: 223 sqq.
- Fielding, John**, Mohegan manuscript
 received from 43: 205.
- Fielding, Lemuel**, mention of 43:
 213.
- Fields**
 community, management of 42:
 336.
 community, protection of 42: 444.
 division of labor in, by Guiana In-
 dians 38: § 899.
 ownership of 47: 477.
See also Agriculture; Communal
 Lands; Farming.
- Fiesta de San Estevan**
 celebration of 47: 102-106.
 dance of 47: 104 sq.
 witnessing of 19: xiii.
- Fife Bird**. *See* Umbrella Bird.
- Fifth-monarchy Men**, account of
 14: 938.
- Fight for the Charcoal**, songs of the
 39: 213.

- Fight, Sham, of the Kwakiutl** 35: 1051, 1056.
- Fight, The**
a K'atsina ceremony 47: 82.
description of 47: 88-94.
story of 47: 148 *sqq.*
- Fighting**
among the Eskimo, cessation of 18: 330.
Eskimo methods of 18: 328 *sq.*
Guiana Indian weapons for, and hunting 38: p. 14-173.
See also War.
- Figueroa, Gomez Suarez de**, companion of Coronado 14: 477.
- Figueroa, José**, killed at Awatobi 17: 600.
- Figuier, L.** 46: 219.
- "Figure Four" Traps of the Eskimo** 18: 121, 125.
- Figure, Human.** *See Human Figure.*
- Figures**
engraved on tablets 15: 103.
made of leaf strand 38: § 621.
of pottery 38: § 96 *sqq.*
of string 38: p. 500-550.
patterns on basketry 38: § 444.
- Figurines**
clay, as fetishes 47: 279.
Eastern United States pottery 20: 41.
Florida Peninsula pottery 20: 119, 124.
fossil ivory 46: 174.
in Tusayan ceremony 15: 291.
Middle Mississippi Valley pottery 20: 83, 99.
Ohio Valley pottery 20: 183, 184.
of Chiriquian art 6: 151 *sqq.*
of Flute youth and maiden on altar 19: 989 *sq.*, 993, 995.
Potomac-Chesapeake group 20: 156, 157.
South Appalachian pottery 20: 131, 140.
use of, in Snake and Flute rites 19: 1010 *sq.*
See also Püükoñ.
- Fijians**, pottery-polishing stones of the 13: 99.
- Files**
of the Eskimo 9: 182.
used in engraving silver 2: 174.
- Filfot**
wide range of, among American aborigines 22, i: xv *sq.*
See also Swastika.
- Filfot Designs**
stamped ware, Gulf Coast group 20: 108, 109.
stamped ware, South Appalachian group 20: 134, 136 *sq.*
- Filipinos**, resemblance of, to Indians 46: 36.
- Fillers in Designs**
mention of 41: 276-287.
rare on Chilcotin baskets 41: 346.
use of, on Lillooet baskets 41: 336.
usual position of 41: 290.
- Fillets**
ceremonial, of the Eskimo 18: 416 *sqq.*
decoration by 20:
Apalachee-Ohio pottery 181.
Eastern United States pottery 66.
Middle Atlantic Coast pottery 149.
Middle Mississippi Valley pottery 88, 89.
for feather crowns 38: § 523.
head decoration 38: § 530.
See also Strips.
- Fillmore, Prof. John Comfort**
acknowledgment to 27: 31.
on song in Wa'wa ceremony 27: 388.
- Fillmore, Utah**
exhumation of sepulchre at 6: xli.
pottery from grave at 4: 292.
- Filson, John**, on Yuchi habitat 7: 127.
- Financial Statement of the Bureau of American Ethnology** 6: lviii; 7: xli; 8: xxxvi; 9: xlvi; 10: xxx; 13: xliii; 14: xlix; 15: xci; 16: lxxxv; 17: lxii; 18: l; 19: xxxiii; 20: xxv; 22, i: xlii *sq.*; 23: xliv; 24: xxxix; 25: xxv.
- Finck, F. N.**, reference to 28: 226.
- Finding of the Foe**
Hi'ca-da story of the 36: 211-219.
Wi'-gi-e of the 39: 80.
- Fine Arts**
discussion of 19: lxx-xci.

Fine Arts—Continued

origin and evolution of 20: cxxxv
sq.

Fines

customs of 42: 168.
for failure to attend busk 42: 555,
567, 577, 603.

Finger

catcher 38: § 617.
"cutting" with string 38: § 708-
710.
rings of the Eskimo 9: 149.
Serian and Yuman names of 17:
330* sqq.

Finger, Magic

potency of, in killing game 32: 122,
123.
returned to owner 32: 153.
used as guide 32: 110, 440.
used to kill game 32: 266.

Finger-masks

mention of 3: 123, 131, 132.
of the Eskimo 18: 412-415.

Finger-nails

use of, in finishing and decorating
20:
Eastern United States pottery 52,
54, 75, 79.
Florida Peninsula pottery 118,
128.
Middle Atlantic Coast pottery
149, 151, 154.
Middle Mississippi Valley pottery
83, 88, 89.

Finger-rests

on Eskimo spears and lances, use of
18: 146, 150 sq.
on Eskimo throwing sticks, use of
18: 153.

Finger Ring, made from seed of
gougou palm 34: 75.

Finger-shaker, dice game, Onondaga
24: 111.

Fingers

details of position of, in sign lan-
guage 1: 392.
employment of, in modeling and
finishing, eastern United States
pottery 20: 51, 52, 65, 66, 73,
163.
Eskimo use of, in counting 18: 236
sq.
human, necklace of 14: 1024.
worn as trophies 16: 21.

Fingers—Continued

See also **Decoration; Manufacture;
Modeling.**

Finish

Cherokee and Catawba pottery 20:
54, 55, 56.
Eastern United States pottery 20:
46, 51, 67-80.
Eastern United States pottery, salt-
making vessels 20: 28.
Florida Peninsula pottery 20: 117,
121, 126.
Gulf Coast pottery 20: 105, 106,
111, 113.
Iroquoian pottery 20: 161.
Lower Mississippi Valley pipes 20:
158.
Lower Mississippi Valley pottery
20: 148 sq., 151, 153 sq., 155.
Middle Mississippi Valley pottery
20: 84.
New Jersey-New England pottery
20: 175 sq., 177, 179.
Northwestern pottery 20: 188, 196
sq., 198, 199.
Ohio Valley pottery 20: 185.
of Mississippi Valley pottery 4:
373.
South Appalachian pottery 20:
133-136, 138.
See also **Color; Cords; Decora-
tion; Fabrics; Finishing Tools;
Paddles; Polishing; Roulette;
Stones; Tools; Washes.**

Finishing Tools

clay, Eastern United States 20:
99, 100.
used by the Eskimo in wood work-
ing 18: 87 sqq.
See also **Paddles; Roulette;
Stamps; Stones.**

Fink, Hugo, on antiquity of Vera
Cruz 25: 231.

Finke River, Australia, petroglyphs
on 10: 162.

Finley, John, trail followed by 42:
799.

Finney, Alfred, Cherokee missionary
19: 136.

Fir

gum from, used for chewing 45:
484.

See also **Douglas Fir; Great Silver
Fir.**

Fire

- a possession of the Thunderbird clan 37: 210.
- aid to timberwork 38: § 4.
- at burial ceremonies 38: § 834, 835, 849, 859.
- called "grandfather" 42: 484.
- ceremonial, customs concerning 40: 279.
- ceremonial connected with 11: 381.
- chief, decoration of 11: 402.
- connection of, with the deity 42: 484.
- drying of pottery before, eastern United States 20: 52, 54, 56.
- employed in woodworking 13: 72.
- "flint" and steel 38: § 2.
- for heating stones 35: 72, 87, 105, 164, 265, 276, 282.
- forest, how regarded by Indians 14: 808.
- guest's side of the 32: 561.
- handling by the Crazy dancers 14: 1033.
- handling by the Wabeno 14: 151.
- Hopi purification by 17: 647.
- illuminant 38: § 5.
- in Caddo mythology 14: 1093.
- in dance house 35: 1219.
- in Ghost dance circle 14: 915, 921.
- in Ghost dance doctrine 14: 786.
- in Paiute dance circle 14: 802.
- in Pima mythology 26: 216.
- in the captaincy order 38: § 746, 747.
- Indian methods of keeping 19: 429 *sq.*
- kindled at grave 42: 394, 395, 396.
- kindling of 45: 65.
- kindling of, in Hopi festivals 21: 55, 96.
- made from handful of wood 32: 392, 393.
- medicine buried under 42: 545.
- Menomini mythic origin of 14: 40, 41, 126.
- Menomini personification of 14: 87.
- myths concerning 11: 50, 72, 522; 19: 240 *sqq.*, 404, 409, 431; 45: 510.
- national, originated by Creeks 42: 574.

Fire—Continued

- Nootka belief in origin of 31: 894-897.
- opposite sides occupied 32: 586.
- origin and use of 15: xxxviii, lxxxvi.
- Paiute mythic origin of 14: 1051.
- perpetual, in Potawatomi myth 14: 208.
- position of, in Tsimshian houses 31: 396.
- powers in Siouan concept 11: 535.
- produced by magic 35: 745 *sq.*
- put out with blankets 35: 774.
- reference to 27: 70, 117.
- regarded as a spirit 37: 166.
- religious significance of 42: 608.
- respect for 44: 249.
- ritual connected with 45: 646-653.
- rubbing and twirling 38: § 1.
- sacred, ceremony connected with 39: 332, 334.
- sacred, method of kindling 14: 668; 39: 224.
- sacred, of the Cherokee 19: 395 *sq.*, 501 *sqq.*
- sacred, of the Kiowa 17: 220, 357.
- sacred, reference to 42: 701.
- sacred, regard for 14: 919, 1070.
- sacredness, reasons for 23: 121.
- Seri concept of 17: 199* *sq.*
- Serian and Yuman names for 17: 341* *sq.*
- spiral 42: 703.
- spirits of 35: 1209, 1331 *sq.*
- symbol of 39: 113.
- symbolism of 21: 24.
- taboo of, in certain Ghost dances 14: 802.
- taboo of, Zuñi 47: 535.
- tempering of vessels to be used over 20: 46.
- theft of 30: 212.
- torture by 42: 417 *sq.*
- transport of 38: § 3.
- treatment of, in Hako ceremony 22, ii: 34, 35.
- use of, in quarrying 15: 23.
- use of clay in protecting various utensils from 20: 49.
- use of pottery over 20: Eastern United States 25 *sqq.*
- Florida Peninsula 121.
- Gulf Coast 105.

Fire—Continued

use of pottery over 20—Contd.

Middle Atlantic coast 148, 149.

Middle Mississippi Valley 83, 89.

Ohio Valley 185.

South Appalachian province 132.

worship of 11: 514; 21: 24, 96.

See also Charcoal (*sacred*); Domestic Pottery; Forest Fire; Great Fire Fraternity; New-fire Ceremony.

Fire and Sword Orders, method of joining 23: 416.

Firearms

among the Coeur d'Alène 45: 109.

among the Creeks 42: 453.

among the Eskimo 9: 193 *sqq.*

among the Omaha 13: 288.

Cherokee use of, in the eighteenth century 19: 82.

influence of, in Ojibwa warfare 19: 1040, 1044.

importance of 46: 466.

introduction of, among Cherokee 19: 32, 213.

introduction of, among coast tribes 19: 31.

introduction of, among Eskimo 18: 118 *sq.*

introduction of and use of by the Point Barrow Eskimo 9: 53.

Seri use of 17: 259* *sqq.*

use of, by Eskimo 18: 163-166.

use of, in Hopi festivals 21: 31.

valued highly 46: 555.

See also Guns.

Fire Arrow

hearth 38: § 364.

in warfare 38: § 764.

signals by 1: 540.

signs for 1: 344, 380.

Fire-ball, Eskimo legend of 18: 510 *sq.*

Fire Bed

over cache pit 41: 505 *sq.*

unusual situation of 41: 531, 532.

Fire Bowl

burial in edge of 41: 560, 598 *sq.*

description of 41: 518 *sq.*, 546 *sq.*

Firebrand, use of, by Indians in traveling 14: 485.

Firebrand River. *See* Colorado; Tizon.

Fire Bush, medicinal use of 43: 265.

Fire-carrier, Cherokee spirit 19: 335, 475.

Fire Ceremony

meaning of 47: 96.

of the Corn clan 47: 94 *sqq.*

yarrow used in 30: 42.

See also Ceremonial Fire; New Year Fire.

Fire Dance, Kwakiutl 35: 738, 739, 848, 1001, 1004, 1005, 1019, 1070.

Fire Dancer

mention of 35: 1081, 1084.

performance of 35: 1010.

Fire Disease, name for fevers 42: 651.

Fire Dragons

guarding pathway to magic chestnuts 32: 506.

in Iroquoian cosmology 21: 157, 164, 174, 223.

Fire Drills

Seri, meaning of name of 17: 199* *sq.*

Seri, relation to arrow and harpoon 17: 198* *sq.*

use of, in Hopi festivals 21: 55.

Firedrill Sockets

use of cupped stones as 13: 92.

use of perforated stone with 13: 98.

Fire Drill Song 39: 224.

Firefly in Cherokee lore 19: 309.

Fire Fraternity of Zuñi, playing with fire by 23: 495.

Fire Gens, Tebugkihu constructed by the 8: 57.

Fire God

of Tusayan 15: 263, 265.

worship of 21: 55.

See also Tcolawitze.

Fireholes, in ancient Arizona structures 13: 232, 246.

Fire House

ancient occupancy of 17: 633.

or Tebugkihu, Tusayan 8: 20, 57, 100, 142, 224.

ruin of Tusayan 17: 590, 633.

Fire Implements of the Omaha 13: 279.

Fire Keeper

functions of the 47: 637.

office of the 43: 462.

Fire Maker

- dress of 42: 583, 594.
- lighting of sacred fire by 23: 115.
- time of busk set by 42: 583.

Fire-making

- by primitive Pima 26: 102.
- by rubbing, origin of wood for 30: 133.
- by the Eskimo, with drill kindlings 9: 289 *sqq.*
- by the Eskimo, with flint and steel 9: 291.
- by the Eskimo, with flint and steel kindlings 9: 291.
- by the Hopi 15: 263.
- by the Navaho 17: 501.
- mention of 42: 695.
- origin of 42: 56.
- sticks for 46: 61, 136.

Fire-making Implements, Eskimo 18: 75 *sq.***Fire-making Song** 39: 225.**Fireman, office of** 47: 266.**Fire Old Woman, a supernatural** 47: 343.**Fire People of Tusayan, migration of the** 8: 20.**Fire Pit, in Eagle Nest House** 33: 168.**Fire Ritual of the Medicine dance** 37: 366.**Fire Society**

- chamber of 47: 107.
- functions of 47: 107.
- initiation into 47: 114 *sq.*
- jugglery of 47: 114 *sqq.*
- organization of 11: 70.

Fire Symbol in the codices 16: 218, 219, 224, 257.**Fire Temple, work done on** 41: 28.**Fire Temple House, opened to visitors** 41: 28.**Fire Tenders, part of, in Hopi festivals** 21: 40, 44 *sqq.***Fire Thunder**

- acknowledgments to 14: 655.
- visit of, to Wovoka 14: 894.

Fire Tongs, of the Kwakiutl 35: 335.**Fireplaces**

- arrangement of, when on the war-path 37: 189.
- consecration of 11: 380.
- consecration of, of chief's houses 36: 69.

Fireplaces—Continued

- dedication of, to peace 36: 54.
- dedication of, to warfare 36: 53, 54, 69.
- in cavate lodges 13: 224, 256; 17: 641.
- in Omaha lodges 13: 271.
- mention of 8: 102, 109, 121, 125, 163, 167-180.
- of Eskimo houses 18: 244, 245.
- of the Omaha and Ponka 13: 275.
- Pima, description of 26: 69.
- sacred character of 36: 53 *sq.*
- separation of families in lodges by 32: 518.
- treatment of, in Hako ceremony 22, ii: 34.

See also **Chimney-like Structures.**

Fireplace Song 39: 278, 280.**Firesticks**

- legends of 30: 130-136.
- timber for 38: § 1.

Fires

- at cardinal points 41: 506 *sq.*
- built during erection of mound 41: 499 *sq.*
- burial 1: 198.
- for domestic use 41: 573.
- sacred, in the Southeast 44: 248
- size of 41: 536.

See also **Ceremonial Fires; Fire; Fire Bed; Fire Bowl.**

Fireweed

- use of 44: 289; 45: 498.

See also **Epilobium Angustifolium.**

Firewood

- a marriage token 38: § 887.
- gathered by men 31: 396.
- of the Kwakiutl 35: 762.
- sign of respect for the dying man 38: § 865.

Firewood Clan. *See* **Kokop Clan.****Firewood People**

- at Sikyatki 17: 632, 633, 640, 646.
- of Tusayan 17: 672.

Firing

- of Guiana pottery 38: § 92.
- of Pueblo pottery 4: 268.

See also **Baking.**

First-born Children, destruction of, by Guiana Indians 38: § 731.**First Christian Party of Oneida, treaty with** 18: 772.

First Person Plural, reference to 28: 226.

First-who-flies, account of 46: 401 sq.

Fish, Sarah. *See* **Hina, Sala.**

Fish

absence of ceremonies regarding 45: 184.

appearance of, in Hopi kateina pictures 21: 113.

as food, importance of, to the Eskimo 18: 24.

beliefs concerning 30: 371.

binas for 30: 282, 285.

camps 46: 59, 66, 67, 98.

camps, Tanana 46: 126.

capture of 38: § 185-209, 272, 273.

conversion into 32: 191.

cutting-board for 35: 225.

drying of 45: 240.

effigy of, in Santa Rita mound 19: 683.

Eskimo account of creation of 18: 454 sq.

Eskimo methods of preparing 18: 183, 267.

flour 38: § 163.

food among the Pima 26: 83.

hammock or baskets for 38: § 195.

in Menomini myth 14: 125, 200, 217.

in Tlingit calendar 26: 426.

known to Omaha, names of 27: 106.

legend concerning 30: 220, 234, 262.

lines of the Eskimo 9: 278-284.

means of securing 44: 262.

mention of 46: 51, 53, 55, 57, 59, 60, 91, 98, 110, 116.

method of shooting 30: 131.

nets for, Guiana Indian 38: § 201.

nets of the Eskimo 9: 284, 286.

origin of 30: 148.

painting of, on wall in Santa Rita mound 19: 667.

preservation of, for food 44: 306.

representation of 20:

Florida Peninsula pottery 124.

Gulf Coast pottery 108.

Middle Mississippi Valley pottery 85, 88, 95.

roe 38: § 163.

Fish—Continued

Seri methods of catching and eating 17: 193* sq.

speared with leg 32: 283.

spirits associated with 30: 241-244.

string figures of 38: § 661, 671, 673, 674, 693, 699-701, 705.

swallowing of boy by 32: 182

traps and wheels 46: 40, 57.

transportation of 30: 294.

transformation into 30: 242.

use of, as food 11: 280; 41: 608.

use of, at Isleta 47: 211.

use of, by the Menomini 14: 290.

village, Lower Yukon 46: 74.

woman transformed into 32: 538.

See also **Blackfish; Codfish; Devil-fish; Flounders; Halibut; Kelp-fish; Perch; Redfish; Salmon.**

Fish-arrows of the Eskimo 18: 160 sq.

Fish Bladders, use of, as ornaments 42: 685.

Fishbones

excrescences from, found in graves 44: 136.

from Burton mound 44: 135.

thrown into fire 35: 411.

Fish Clan

associations of 42: 145.

native names for 42: 115.

personal names of 37: 250.

referred to by J. Adair 42: 119.

story concerning 42: 109, 112.

Fish Cow. *See* **Manati.**

Fish Creek, ornate stone lamp of 46: 34.

Fish Dams, construction of 42: 782.

Fish Dance

mention of 42: 524.

See also **Garfish Dance.**

Fish-eaters, a Paiute band 14: 818, 1051.

Fish-e-More. *See* **Taká-i-bodal.**

Fish Idol, description of, by Poey 34: 181.

Fish Katecina. *See* **Pakiokwik.**

Fish Knives

locked in roasting tongs 35: 306.

mention of 35: 242

Fish-Mamma, description of 30: 241 sq.

- Fish Nation**, legends concerning 30: 220, 242, 363.
- Fish People**, personal names of 43: 130 *sqq.*
- Fish Poison**, nature of 30: 234.
- Fish Pond Towns**
distribution of medicine at 42: 608.
emblems on ball posts of 42: 244.
See also Asilanabi; Lâlogâlga; Ok-chai.
- Fish River**, identity of 19: 190.
- Fish Scaler** of the Eskimo 9: 311.
- Fish Skin**
Eskimo ceremonial objects of 18: 420.
Eskimo clothing made of 18: 36.
Eskimo implements made of 18: 105, 146, 161.
Eskimo method of dressing 18: 117.
- Fish Soup** eaten after meat 35: 412.
- Fish Spears** of the Eskimo 18: 194 *sq.*
- Fish Symbol** in the codices 16: 241, 261.
- Fish Traps**
as property of numayms 35: 1347.
Eskimo 18: 183 *sqq.*
Eskimo implements used in making 18: 88.
of the Kwakiutl 35: 182, 183.
success of 35: 613.
- Fish Weirs**
of the Huron-Iroquois district 12: 549.
of the Virginia Indians 13: 14.
of wattle work 13: 13.
- Fisher**, —, of Biological Survey, on mice and rats of Pimeria 26: 80.
- Fisher, Reginald**, cooperation of 46: 6.
- Fisher, W. J.**, material collected by 24: 723.
- Fisher**, a man-being in Iroquoian cosmology 21: 202.
- Fisheries**, ownership of, in Chattahoochee River 42: 59.
- Fisherman**, successful, how made 35: 698.
- Fishery**, season among the Eskimo 9: 282 *sq.*
- Fishes**
in Pima flood legend 28: 50.
myths concerning 19: 251, 285, 289, 307, 320, 455, 469.
- Fishes—Continued**
of the Point Barrow region, Alaska 9: 58.
See also Fish.
- Fishhawk** in Menomini myth 14: 200.
- Fishhook Points, Composite**
fragmentary 44: 128-133.
with blunt base 44: 122-125.
with sharp ends 44: 125 *sq.*
- Fishhooks**
magical 33: 640, 658, 659, 660.
of the Eskimo 9: 279-284.
of the Nenenot 11: 320.
one-piece bone 44: 133.
one-piece shell 44: 138-144.
used in capturing canoe 32: 78, 223, 713.
- Fishing**
account of 27: 312.
among Upper Missouri Indians 46: 544, 582.
customs of the Omaha 3: 301, 302.
Eskimo methods of 6: 513-516; 18: 173-190.
Eskimo seasons of 18: 173 *sq.*, 183 *sq.*
implements of the Eskimo 9: 278-287; 18: 173 *sqq.*
implements used for 45: 105 *sqq.*
importance of 45: 348.
manner of, of the Eskimo 9: 283.
methods of 42: 694; 45: 246, 349.
of the Eskimo 11: 204.
of the Kwakiutl 35: 178-184.
of the Menomini 14: 272.
of the Tsimshian 31: 399 *sqq.*
of the Winnebago 37: 114.
relation of, to games 19: LXIX.
seasons for 31: 398 *sq.*
stone implements used in 13: 164.
traps for 3: 302.
- Fishing Appliances**
hooks 2: 208.
manufacture of 2: 210.
shell 2: 207.
sinkers 2: 208.
- Fishing lines**
of Guiana Indians 38: § 65-69.
of the Kwakiutl 35: 179.
- Fishing Places**
hereditary nature of 35: 223.
quarrels over 35: 224.

- Fishing Tackle** for flounders 35: 175.
- Fiske, John**
on turtle in primitive mythology 14: 976.
petitions for Casa Grande repair 15: CIII.
- Fiske, Moses**, description by, of cists in Tennessee 1: 113.
- Fissurella Shell**, use of, as ornaments 2: 191, 220, 261, 263.
- Fits**, Guiana Indian treatment of 38: § 928.
- Fitzpatrick, Thomas**
Indian agent in 1853 17: 173.
on Kiowa raids into Mexico 17: 174.
on Southwestern tribes in 1848 17: 286.
- Five**, a ritual number 47: 284.
- Five Civilized Tribes**, *sabía* known to 42: 498.
- Five-finger**
use of 44: 289.
See also Drymocallis Arguta.
- Five Nations**
land cessions by 18: 552 *sqq.*, 580 *sq.*, 596.
See also Iroquois; New York Indians; Six Nations.
- Flag**
heraldic, of Smohalla 14: 725, 726.
of the United States, Indian name for 42: 576.
use of, in Ghost dance 14: 823.
- Flag, Blue** 33: 72.
- Flagellants**, account of the 14: 935.
- Flagellation**
importance of rite of 47: 976.
See also Whipping.
- Flageolets**
of the American Indians 19: 455.
of the Guiana Indians 38: § 563 *sqq.*
See also Flute.
- Flagstaff, Ariz.**
archeological work near 43: 1-4.
cavate lodges near 13: 217, 223.
cavate ruins near 22, i: 35.
cavate ruins near 22, i:
descriptions published 35.
new caves of 37 *sq.*
old caves of 36 *sq.*
Turkey Tank caves of 38 *sq.*
cliff houses near 17: 533.
reference to 28: 186, 194, 195.
- Flaked Implements**
description of 15: 80.
manufacture of 15: 29.
rude, discussion of 15: 148.
- Flaked Stones**
confounded with implements 15: 53.
deposits of, near Washington 15: 19.
- Flakes**, described and figured 13: 171.
- Flaking**
for grater stone chips 38: § 339.
implements produced by 15: 25.
instruments used by Eskimo in making stone tools 18: 91.
of stone 25: 91.
of stone, discussion of 15: 95.
stone, experiments in 15: 151.
stone, process of 15: 57, 59, 80, 81.
stone, tools used in 15: 58.
- Flannel**
Eskimo fishing implements made of 18: 179.
Eskimo hunting bag made of 18: 167.
- Flask**
for powder, Eskimo 18: 165.
-shaped vessels 34: 239.
- Flat**
and terraced roofs 4: 477.
beads 4: 140.
ornaments 4: 271.
- Flat Belly's Village**
cession of reserve at 18: 752.
reservation at 18: 716.
- Flat Lick, Ky.**
location of 42: 798.
trail to 42: 782.
- Flat Top Mountain**, trail across 42: 770.
- Flatbow**
a synonym of the Kutenai 14: 731.
See also Kitunahan Family.
- Flathead Cootenai** 7: 85.
- Flathead Family**, Salish or 7: 102.
- Flathead Group**
characteristics of habitat of 45: 309.
material culture of 45: 326.
tribes composing 45: 295.
tribes surrounding 45: 37.
two extinct tribes of 45: 295, 296.
wars of, with the whites 45: 373.
- Flathead Indians**
Kiowa name of the 17: 153.
land cessions and reservations 18: 808 *sqq.*, 812 *sqq.*, 858.

Flathead Indians—Continued

land treaty with 14: 731.
 present habitat of 14: 805.
 stick games of the 24: 261.
 tribal signs for 1: 468.

See also Kwakiutl.

Flathead Reserve, tribes represented
 on 45: 323 sq.

Flathead Tribe

as basket makers 41: 141.
 associations of, with other tribes
 45: 319 sq., 322.
 bands of 45: 309 sq.
 basketry of 41: 154, 155.
 baskets of, uninbricated 41: 140.
 baskets sold by 41: 135.
 Blackfoot raids on 45: 318.
 characteristics of 45: 325.
 dialect of 45: 303.
 habitat of 45: 303.
 Indian names for 45: 296, 297,
 299.
 migration of 45: 322.
 origin of the name of 45: 295, 296.
 name for themselves 45: 296.
 name of, in sign language 45: 145.
 population of, about 1805 45: 314
 sq.
 present population of 45: 315.
 shapes of baskets made by 41:
 138, 141.
 wars of, with Coeur d'Alène 45:
 121-124.

Flatiron, implements resembling, Mid-
 dle Mississippi Valley pottery
 20: 99 sq.

Flavoring

coriander used as 30: 66.
 ground cherry used for 30: 70.
 pectis used for 30: 69.

Flax

River of the 14: 554, 555.
 wild, on great plains 14: 528, 591.
 wild, use of 33: 98.
See also Yellow Flax.

Fleabane

in Cherokee lore 19: 420.
 use of 45: 473, 493, 497.

Fleas

leaf figures of 38: § 621.
 sand, plague of, a possible cause of
 abandonment of Pueblos 22, i:
 22.
 string figure of 38: § 639.

Fleetness of the Seri 17: 149*-
 152*.

Fleischer, H. L., mention of Dresden
 Codex by 6: 263.

Fleischer, K. A.

acknowledgment to 29: 38.
 on Isleta 29: 528.
 references to 29: 424, 432, 434, 443,
 444, 445, 446, 447, 451, 494, 506.

Fleming County, Ky., occurrence of
 earthenware spoons in 20: 44.

Fletcher, Agent —, on Winnebago
 cycles 14: 701.

Fletcher, Miss Alice C.

acknowledgment to 29: 12.
 contributor to Bureau 48: 1189.
 Dakota dances described by 3:
 298, 355.
 efforts on behalf of the Omaha 27:
 639 sq.
 ethnologic research by 32: 22.
 field work of 21: xii.
 field work of, among the Pawnee
 22, i: xiv.
 information gathered by 36: 219.
 list of gentes obtained by 36: 52.
 manuscript on the Omaha by 30:
 24.
 material collected by 24: 188, 641.
 mention of 39: 38, 82; 43: 91.
 monograph by 27: 14.
 monograph on Pawnee ritual by 23:
 xxxviii, xliii.
 obituary of 48: 1221.
 office work of, on Pawnee ritual of
 the Hako 22, i: xxxvii.
 on beliefs 11: 414, 500, 536.
 on ceremonials 11: 385, 391.
 on Ghost lodge 11: 487.
 on hoop and pole, Omaha 24: 516.
 on name of dice game, Omaha 24:
 187.
 on Omaha music 15: 176.
 on ring and pin, Brulé Dakota 24:
 556.
 on Sun dance 11: 457, 462, 466.
 on the Q̄egiha 15: 161.
 on the thunderbird and cedar among
 Omaha and Ponka 15: 183.
 on the Umane 11: 451.
 paper by, on the Hako 22, ii: 1-
 368.
 Pawnee ceremony recorded by 21:
 xxxi.

Fletcher, Miss Alice C.—Continued
quoted on 11:

- berdaches 379.
- ceremonials 446.
- Indian beliefs 434, 476, 497.
- kinship terms 368.
- rites of puberty 483.
- Sun dance 450, 453.
- symbolism 427, 529.
- Unktehi 439.

record of Hako ceremony obtained
by, characterization of report
22, i: XLIV.

reference to work of 11: 363.
songs transcribed by 34: 18; 36:
55.

special work by 32: 9.
story concerning 43: 94 sq.
studies of, in Amerindian symbolism
20: 100.

study of fraternities and cults by
19: XLVIII.

study of Pawnee ritual by 23: xvi.
value of researches of 15: 183.
work of 24: xxvi; 26: xxv; 31:
8, 20.

**Fletcher (Miss A. C.) and La Flesche
(F.)**, reference to monograph by
37: 181.

Fletcher, Benjamin, grants of land
by 18: 580.

Fletcher, Francis, on Indian giants
14: 485.

Fletcher, J. E., on Winnebago cere-
monial 14: 110.

Fletcher, Dr. Robert

- cited 4: 252.
- on prehistoric trephining and cra-
nial amulets 3: xv.
- on primitive trephining 16: 12, 16,
17, 18, 27.

Fletcher, Lieut. Robert, material col-
lected by 24: 235.

Flexed-burial People

- discussion of 41: 602.
- homes of 41: 597 sq.
- indication of contacts of 41: 602.
- traces of 41: 559.

Flexed Burials, description of 41:
587 sq., 598 sq., 601.

Flicker

- in Pima mythology 26: 211.
- mask of, used by Tlingit 26: 436.

Flicker—Continued

Tlingit house group name 26: 400,
401.

Flies

Iroquois superstition concerning
2: 74.

See also Fly.

Flight

- symbols of 14: 129.
- to the moon 6: 598, 599.

Flint, Charles L., on *Zizania miliacea*
19: 1022.

Flint, Timothy

- on importance and extensiveness of
wild rice crop 19: 1101.
- on popular synonym for wild rice
19: 1023.
- on tying wild rice 19: 1058.
- on wild rice as pudding 19: 1084.

**Flint, a man-being in Iroquoian cos-
mology** 21: 188, 195, 201, 293,
294.

Flint

- aboriginal quarries of 15: 23.
- area where found 44: 507 sq.
- beveled, notes on 13: 177.
- color of 44: 518 sq.
- deposits of Illinois 13: 133.
- distribution of 15: 73.
- Eskimo implements made of 18:
80 sq., 114, 145 sq., 149, 159, 171.
- flakers of the Eskimo 9: 287 sq.
- formation 44: 505.
- how adapted to implement making
15: 84.
- implements, discussion of 15: 89.
- implements, sparsity of 15: 78.
- in Coshocton County, Ohio 44:
508-512.
- knives, found in Guadeloupe 34:
137.
- Menomini personification of 14: 87.
- mention of 46: 173.
- myths concerning 19: 234, 274,
450.
- native method of obtaining 44:
524.
- not adapted to pecking 15: 96.
- origin of 31: 471.
- quarries, description of 15: 77.
- quarrying of, in Ohio 13: xxvii.
- red-hot, lodge turned into 32: 186,
227.
- source of, for implements 15: 140.

Flint—Continued

- stemless, description of 13: 143.
- symbols in Borgia Codex 16: 228.
- transportation of, by floods 15: 22.
- use of, for flaking 15: 29.
- use of, for implement making 15: 135.
- use of, in aboriginal art 15: 24.
- use of the name 44: 96, 505, 507.
- working of, by the Eskimo 9: 287 *sqq.*

See also **Chert.**

Flint and Steel

- among the Eskimo, use of 18: 76.
- See also* **Fires.**

Flint Ridge

- cores from 13: 171.
- information regarding 44: 512.

Flint River

- Muskogee settled on 42: 45.
- trail along 42: 850.
- treaty of 18: 768.

Flint Society, functions of 47: 107.**Flinter, Col. George D.**, on Porto Rico 25: 20.**Flipper Toggles** for Eskimo harpoons 9: 247.**Flipstone**, game of 24: 141.**Float-boards** used by the Eskimo 18: 137 *sq.***Floats**

- fishing, of the Eskimo 11: 248.
- for Eskimo seal darts 9: 215.
- for Eskimo whale harpoons 9: 236, 246 *sq.*
- for Guiana Indian arrow 38: § 140.
- for Guiana Indian fishing line 38: § 191.
- used by the Eskimo 18: 126 *sqq.*, 140 *sqq.*, 185 *sq.*, 188, 218.

Flogging

- in Tusayan ceremonies 15: 294, 304.

See also **Whipping.**

Flood

- in Ghost-dance doctrine 14: 788.
- in Missouri River recorded 4: 137 *sq.*
- in Pima mythology 26: 210-213, 248.
- in Pima song 26: 314.
- in Zuñi mythology 13: 429.
- legend of, Eskimo 18: 452.
- legend of, Pima 28: 49-52.

Flood—Continued

- legend of, Seneca 32: 636.
 - myth concerning 19: 261, 444 *sq.*
 - predicted in Ghost-dance doctrine 14: 784.
 - story about 43: 371.
- See also* **Cosmology; Floods.**

Flood Songs

- of the Pima 26: 274-277.
- of the Tlingit 26: 437.

Flooding of House, magical 35: 1143, 1144.**Floods**

- a possible cause of abandonment of pueblos on Little Colorado River 22, i: 22.
 - as agents of stone transportation 15: 22.
 - in far Southwest 26: 53 *sq.*
 - in Gila River 26: 62, 67.
- See also* **Flood; Water.**

Floor

- and roof construction at Homolobi, manner of 22, i: 110.
- in Pueblo buildings, various kinds of, description of 8: 121, 135, 148-151.
- influence of, on form of vessels 20: 61, 62.
- of Mashongnavi house 8: 109.
- sandstone slabs, Shupaulovi kiva 8: 123.
- stone flags, Tusayan kiva 8: 121.

Floors

- of Casa Grande 13: 311.
- of Casa Grande, construction of 28: 80, 83, 84 *sq.*
- of cliff dwellings, discussion of 16: 165, 197.
- of Eskimo buildings 18: 245, 252.
- plastering of, for leveling 13: 251.
- polished black 41: 520, 559, 570.
- pottery mosaic, of grave 41: 603 *sq.*
- stone mosaic 41: 545 *sq.*
- treatment of 41: 518, 520, 570.

Flora

- effect of, on architecture 33: 57.
 - known to Omaha 27: 106 *sq.*
 - of Pimería, character of 26: 157.
 - of Seriland 17: 31-36.
- See also* **Flowers.**

Florence, Ariz.

- pictographs in vicinity of 28: 148 sq.
- reference to 28: 33, 34, 72, 95, 114.

Florence Canal, construction of 26: 33.**Florida**

- Alachua County, Job Smith mound 12: 327.
- ancient tribes of 26: XIII sq.
- archeological work in 16: LVI; 41: 101.
- as source of Antilleans 25: 215-220.
- burial customs of 20: 40, 106, 119 sq.
- coiled pottery of 4: 277.
- cremation mound in 1: 148, 149.
- deportation of Kiowa prisoners to 17: 215, 339.
- Enterprise, mounds at 12: 328.
- explorations in 12: 327-333.
- explored by De Soto 14: 370.
- explored by Narvaez 14: 346, 474.
- field work in 27: 7.
- fossil beds of 43: 14 sq.
- Gainesville, mound near 12: 328.
- historic aborigines of 20: 15, 115.
- Indian migration to 19: 99.
- Indian war symbols 4: 88.
- Lake George, mound on bank of 12: 654.
- lost languages of 42: 678.
- mound burial in 1: 119, 120.
- mounds in 5: 12.
- natives of, resemblance to Cuban coast people 34: 252 sq.
- northern, sources of information on 42: 679.
- office work on material from 20: IX, XII.
- physical type of tribes in 42: 677.
- pottery from 20: 108 sqq.
- proclamation for government of 18: 558 sq.
- reputed bad character of country of 14: 545.
- researches in 28: 9.
- St. Johns and Volusia Counties, mounds in 12: 328-333.
- Satsuma, mound at 12: 332.
- Seminole Indians of, paper on 5: XLVIII-L, 469-531.

Florida—Continued

- southeastern, sources of information on 42: 679.
- study of collection from 19: XIX.
- study of relics from 18: XXX sq.
- textile fish in 20: 68.
- thick-rimmed bowls found in 20: 112 sq.
- use of earthenware drums in 20: 34.
- Volusia County, mounds in 12: 328.
- wood and shell objects from 21: XIV.

Florida Chief, Satouriona, tattooing of 10: 393.**Florida Culture Area, features of 42: 715.****Florida Indians.**

- cultural differences of 42: 711.
- customs of 42: 693, 694, 696, 700.
- declaration of war by 10: 359.
- decorative painting by 10: 619.
- hairdressing of the 42: 684.
- medicine tubes of the 13: 127.
- mention of the 42: 47.
- nets made and used by 13: 45.
- shell-mounds, plummets found in 13: 111.
- stone fishing implement used by 13: 164.

See also Florida.

Florida Peninsula Pottery

- character of 20: 22.
 - decoration of, in color 20: 67.
 - examples of 20: 120-130.
 - forms of 20: 118.
 - manufacture of 20: 117 sq.
 - materials used in making 20: 117.
 - northward extension of 20: 130.
 - occurrence of pottery resembling, Gulf Coast province 20: 108, 109, 110 sq., 112.
 - occurrence of decoration resembling that of, New Jersey-New England area 20: 176, 177 sq.
 - pipes 20: 99, 129, 141.
 - range of 20: 115, 116 sq.
 - stamped ware, characteristics of 20: 135.
 - uses of 20: 118 sqq.
 - westward extension of 20: 104.
- Florida, Southwestern, sources of information on 42: 679.**

Florida Tribes

destruction or scattering of 42: 324.

type of buildings of 42: 191.

See also Florida; Seminole.

Flory, H. 46: 33.

Flounder, name of Tlingit gaming stick 26: 444.

Flounders

boiling whole 35: 415 *sqq.*

catching of 35: 178, 413 *sq.*

cutting of 35: 415.

eaten with spoons 35: 417.

mention of 35: 413-421.

steamed 35: 418-421.

Flour, starch 38: § 232 *sqq.*

Flower, W. H. 46: 233, 330, 332, 333, 338, 368.

Flower, Sir William H., on Jamaican skulls 25: 30.

Flower Figure

on Hopi pottery 17: 697.

on Sikyatki pottery 17: 658, 680.

Flower Messages of Turks and Persians 10: 368.

Flowers

artificial, use of, by Hopi katchinas 21: 73, 76, 101.

drink made from 44: 317.

how regarded by the Zuñi 30: 63 *sq.*

mythic creation of 30: 46.

not plucked for adornment 33: 58.

representation of, mortuary pottery, Florida Peninsula 20: 124.

use of, in Pueblo ceremonials 14: 544.

See also Flora; Vegetal Designs.

Floyd, General —

assistance given by Lower Creeks to 19: 90.

capture of Autossee by 19: 92.

defeat of, at Calabee Creek 19: 93.

Flute

appearance of, in pictures of Hopi katchinas 21: 80, 84, 101, 102.

as paraphernalia of the dance 40: 38, 119, 137.

ceremonial use of 42: 703.

description of 27: 371 *sq.*; 42: 521.

magic 32: 401.

of the Guiana Indians 38: § 560-562.

Flute—Continued

of the Omaha 13: 282.

of the Siouan tribes 11: 455.

origin of 30: 178, 229.

performances, records of 47: 9.

played by host at feast 37: 430.

reference to 21: 234, 235.

sun greeted by 30: 254.

use of 42: 521; 46: 512.

use of, in Hopi ceremonies 21: 30.

See also Flageolets; Flutes.

Flute Altar

at Walpi, description of 19: 1001 *sq.*

Corn-maid images on 16: 300.

Flute Boys, description and function of 19: 997 *sq.*, 999.

Flute Ceremony

at Mishongnovi in 1896 19: 987-1000.

at Oraibi, memoir on 19: 987.

at Walpi in 1896 19: 1000-1005.

girls in 16: 300.

not performed in kiva 17: 575, 612.

of Pueblo Indians, reference to 22, i: 18.

pueblos, where performed 19: 987.

public, at Shipaulovi 19: 996-1000.

trails closed during 17: 597.

Flute Chiefs, description of 19: 997.

Flute Clan

and Flute society, relationship of 19: 1007 *sq.*

See also Leñya Clan.

Flute Dance

fraternities taking part in 31: 23.

mention of 21: 22.

symbolism of Ahülani in 21: 121.

See also Lelenti.

Flute Girls

description and function of 19: 997, 999.

identity of dress of, with that of Snake girls 21: 57.

Flute Katchina. *See Leñya.*

Flute-like Objects

from Awatobi 17: 624.

from Sikyatki 17: 656.

Flute Maiden, figurine of 19: 989 *sq.*, 993, 995.

Flute Observance, prominent elements in 19: 1005.

Flute People

- of Zuñi mythology 13: 432.
- union of, with Snake people 16: 304, 307.

Flute Prayer-stick, making of 21: 21.**Flute Priests**

- festival of 21: 29, 30.
- festival of, alternated with Snake festival 21: 19.

Flute Rites, interpretation of 19: 1009 *sq.***Flute Rooms**

- at Mishongnovi 19: 988.
- at Walpi 19: 1000 *sq.*

Flute (Leñya) Society

- census of 19: 627.
- prayer-sticks of the 17: 737.

Flute Songs at Walpi 19: 1002 *sq.***Flute Youth**, figurine of 19: 989 *sq.*, 993, 995.**Flutes**

- at Pecos 14: 491.
- description of 23: 190, 191, 192; 45: 165.
- use of 45: 284.
- See also* **Flute**.

Flux, remedies used for 42: 660, 663, 664, 668.**Fly**

- in Pima legend 28: 52.
- in Pima mythology 26: 216, 220.
- in Pima song 26: 278, 300.
- messenger for rain 26: 259.
- string figure of 38: § 691, 692.
- Tlingit custom concerning 26: 459.
- See also* **Flies**.

Fly bait, artificial 38: § 192.**Flying Squirrel**

- myths concerning 19: 262, 286 *sq.*, 454.

See also **Kâ'lahû'.**

Flynn's Creek, trail to 42: 834.**Foam Magician**, in Pima religion 26: 251.**Foam People**. *See* **Xêl qoan**.**Foe**, Finding of the

- Wi'-gi-e of 36: 212-219.

See also **Finding of the Foe**.

Foeticide among the Omaha 3: 263.**Fog-shrubbery** of Seriland 17: 36.**Fogs**

- gathered by mother of twins 35: 632.

Fogs—Continued

- in Paiute Ghost song 14: 1054.
- mention of 46: 107, 115.
- terms relating to 29: 54.

Folger, Peter, signature of deeds by 18: 606.**Foliated Cross**

- at Palenque, face numerals on, value of 22, i: 219.
- tablet of the, initial series of, inscriptions of 19: 801.

Folklore

- definition of science of 20: CXCHL.
- introduction to 30: 371-384.
- Mohegan-Pequot, addendum to 43: 260-263.
- of the American Indians 11: 260, 327, 511.
- of the Eskimo, scope of 18: 450 *sq.*
- of the Guiana Indians 30: 26 *sqq.*, 103-386.
- of the katchinas 47: 1067, 1083.
- plants used in 39: 74 *sq.*
- significance of term 25: 20.
- Zuñi and Laguna 47: 1022.

Folktales

- Isleta 47: 359-460.
- of the Eskimo 18: 450-518.
- of the Menomini 14: 209-239.
- of the Mohegan 43: 245, 276-279.
- of the Nootka and Bellabella 31: 883-935.
- of the Seneca 32: 75-341.
- of the Tsimshian 31: 58-392.
- of the Zuñi, describing stone-close 8: 193.
- Zuñi, resemblance of, to medieval tales 47: 845 *sq.*
- See also* **Legends; Myths**.

Folle Avoine

- use of term 19: 1024.

See also **Menomini**.

Folle Avoine Country 19: 1042.**Fomes Applanatus**, use of 44: 289.**Fond du Lac**

- effigy mounds at 37: 98.
- treaty of 18: 714, 780.

Fond du Lac Chippewa land cessions and reservations 18: 796, 856, 938.**Font, Father Pedro**

- account of Casa Grande by 13: 296; 28: 42, 43 *sq.*, 58-61, 88, 91.

Font, Father Pedro—Continued

- cited on use of horse by Pima 26: 84.
- extract from diary of 44: 46 *sqq.*
- on dimensions of Casa Grande 13: 307.
- on Pima 26: 29 *sq.*, 84.
- on Pima creation myth 26: 212 *sq.*
- on Pima-Papago village near Santa Cruz River 26: 21.
- on village of Cuitoa 26: 21.
- reference to 28: 45, 63.
- Uturituc described by 28: 37.
- visit of, to Casa Grande 28: 57.

Fontanedo, —

- Cherokee name used by 19: 182 *sq.*, 187.
- Timuquanan local names given by 7: 124.

Fontenelle, Logan

- death of 27: 100 *sq.*
- reference to 27: 626.

Font's Room, Casa Grande 28: 91, 98, 116.**Food**

- adjuncts 38: p. 222-225.
- and food-gathering of the Seri 17: 9, 77, 91 *sq.*, 180*-215*.
- animal 45: 88.
- animal, of Tennessee Indians 41: 607-611.
- animal, of Upper Missouri Indians 46: 581 *sq.*
- animal, selection of, in myth 14: 200.
- animal, supposed effects of 44: 252.
- as an offering 47: 276, 498.
- as marriage gift 35: 777.
- at Bear feast 37: 321.
- beliefs concerning 41: 608; 42: 517-521.
- berries used as 14: 1087; 45: 89 *sq.*
- boiled with stone 31: 405.
- burial of 1: 192.
- burial of, with the dead 30: 149, 156 *sq.*; 40: 372; 42: 395 *sq.*
- burning of, before eating 31: 544.
- ceremonial gathering of 39: 159 *sq.*
- ceremonies connected with gathering of 45: 453.
- classification of 17: 180* *sq.*
- cooking of 45: 94 *sq.*
- cottonwood pith used as 14: 967.

Food—Continued

- distribution of, among North American Indians 7: 34.
- distribution of, at ceremony 39: 61.
- dogs used as 15: 171.
- dropping of, prohibition of 40: 89.
- duties of procuring 39: 288.
- effect of extermination of buffalo 27: 634 *sq.*
- Eskimo, kinds of 18: 267-270.
- Eskimo, methods of preparing 18: 267 *sq.*
- etiquette of eating and drinking 38: p. 235-239.
- fishing 27: 312.
- for visitors 38: § 810, 811.
- gathering of 35: 184-222.
- gifts of, significance of 30: 313.
- grass seed used as 14: 1054.
- harvesting of 45: 91 *sq.*
- in disease and accidents 38: § 919, 921.
- in mourning 38: § 831.
- Indian beliefs concerning 19: 472.
- influence of, on primitive thought 19: 1089.
- instruction concerning 43: 55.
- kinds of, served at feast 37: 319.
- lore concerning 11: 517.
- made edible 30: 296.
- marriage token 38: § 887.
- mention of 11: 140, 232, 279.
- method of steaming 31: 405.
- modern staple 40: 339.
- new, introduced 27: 620.
- not eaten after dark 30: 184 *sq.*, 295.
- of the Acoma Indians 14: 491; 47: 33.
- of the California Indians 40: 10 *sq.*
- of the Columbia River tribes 14: 722.
- of the Creeks 42: 448.
- of the Flathead group 45: 341-349.
- of the head chief 35: 275, 289.
- of the Menomini Indians 14: 273, 286-292.
- of the Okanagan 45: 237-247.
- of the Plains tribes 46: 407 *sq.*
- of the Point Barrow Eskimo 9: 61 *sqq.*
- of the poor people 35: 275, 488.
- of the Pueblo Indians 14: 506, 527, 549, 559, 569, 586, 593.

Food—Continued

- of the Siuoa Indians 15: 170.
- of the Tsimshian 31: 404 *sq.*
- of the Tusayan Indians 14: 489.
- of the Zuñi 47: 474 *sqq.*
- offering at Tusayan 15: 301.
- offerings of, at feast in Shell society 27: 537 *sq.*
- offerings of, in Hoⁿhewachi ceremony 27: 500.
- offerings of, on graves 27: 592.
- offerings of, to katchinas 47: 853.
- offerings of, to masks 47: 87, 132, 490 *sq.*, 853 *sq.*
- offerings of, to scalps 47: 327 *sq.*
- offerings of, to spirits 47: 87, 122, 125, 132.
- offerings of, to stillborn 47: 299.
- offerings of, to the dead 14: 239; 47: 2.
- offerings of, to the spirits 37: 319.
- on increase of population 19: 1109 *sq.*
- plants of aborigines, study of 40: 2.
- plants used as 38: p. 213-220; 45: 453, 477-492.
- plants used as, by Chippewa 44: 306-322.
- Ponca 27: 45, 309 *sqq.*
- preferential 40: 53.
- preparation of 27: 70 *sq.*, 340 *sqq.*; 31: 405; 37: 116 *sqq.*
- preparation of, by Point Barrow Eskimo 9: 63.
- presentation of, at Tusayan ceremony 15: 295.
- preservation of 35: 223-304; 37: 118; 45: 92-95, 240, 485, 492.
- process of jerking beef for 14: 1066.
- products, collection of 14: xxxix.
- property in 27: 363.
- provided by the initiate 36: 270.
- quantities of, consumed 46: 509.
- quest for 45: 151, 342.
- regulations concerning 45: 102-163.
- remains of, in mortuary bowls at ruined pueblos on Little Colorado River 22, i: 101.
- restrictions, etc., with regard to the sexes 38: § 838.
- restrictions in general 30: 292-298, 319 *sqq.*, 348, 352; 38: § 276.
- rites for obtaining 27: 195.

Food—Continued

- roots used for 45: 88 *sq.*
- rose seeds used as 14: 978.
- sacrifices in Tusayan house building 8: 101, 102.
- scarcity of, on war party 42: 409, 411.
- search, preparation and capture of animal 38: p. 174-212.
- seeds used as 45: 89 *sq.*
- Seri, estimated quantities of 17: 214* *sq.*
- Seri, method of dividing 17: 272* *sq.*
- songs relating to 45: 623-639.
- special, for ceremony 40: 525.
- storage of 42: 693.
- storage of, in caches 27: 98.
- supply of, in Acoma 14: 594.
- supply of Spanish army 14: 562.
- supply of Tiguex Indians 14: 595.
- taboos concerning 47: 502.
- taken home from feast 35: 370, 435, 480, 514, 524, 542, 557.
- thunderberries used as 14: 996.
- time for taking 42: 399.
- use of pottery in preparation of, etc., eastern United States 20: 25 *sqq.*, 39, 83.
- usually two courses, Tsimshian 31: 406.
- used in ceremonial 11: 104.
- used in White Buffalo ceremony 40: 215.
- varieties of 42: 691 *sq.*
- vegetable 31: 404; 45: 89 *sq.*
- wild turnips 27: 277.
- See also Agriculture; Domestic Pottery; Eating; Fish; Food (of the Omaha; Pima); etc.; Foods; Game; Hunting; Maize; Pem-mican; Poultry; Wheat; Wild Rice; and names of various animals and plants.*

Food (of the Omaha)

- beans 3: 308.
- berries 3: 306.
- corn 3: 304.
- modes of cooking corn 3: 304.
- modes of cooking fruits 3: 306.
- modes of cooking meat 3: 303.
- modes of cooking melons 3: 306.
- modes of cooking nuts 3: 307.

- Food** (*of the Omaha*)—Continued
 modes of cooking pumpkins 3: 306.
 modes of cooking roots 3: 307.
Nelumbium luteum 3: 308.
 varieties of, description of 3: 303–310.
- Food** (*of the Pima*)
 animals 26: 80–84.
 general description of 26: 66 sqq.
 plants used as 26: 68–80.
 preparation of 26: 68 sq.
- Food and Drink**
 games, preparation of 23: 368.
 of the Zuñi 23: 361–369.
- Food Animals**, table of bones of 41: 555.
- Food Bowls**
 description of 34: 237.
See also **Bowls**.
- Food Dance**, Kwakiutl 35: 1000.
- Food Department**, remains of 41: 544.
- Food-gathering**, seasons for, Tsimshian 31: 398 sq.
- Food Mats**, Kwakiutl 35: 307, 311, 312, 318, 321, 326, 328, 331, 334, 337, 344, 349, 356, 357, 359, 362, 363, 369, 371, 379, 385, 391, 392, 399, 425, 515.
- Food Plants, Sacred** 39: 129.
- Food Remains** in mortuary vessels 17: 741.
- Food Supply**
 effect on Eskimo temperament of 18: 298.
 influence of, on development of potter's art 20: 22 sq., 150.
 influence of, on distribution of pottery 20: 23.
 of Western Eskimo, abundance of 18: 24.
- Food Taboos** 44: 254.
- Food Tray**, Tsimshian, made of hollowed wood block 31: 49.
- Foods**
 given to civilization by the Indians 21: xx.
 native, worthy of adoption 23: xxviii.
 specimens of, Zuñi 2: 372.
 used during Navaho medicine ceremonial 2: 256, 257.
 value of study of Indian 41: 105.
See also **Food**.
- Fool**, signs for 1: 297, 303, 345, 505, 506.
- Fool Creek Canyon**, Utah, pictographs in 4: 27, 229; 10: 117.
- Fool Dance** 35: 1374.
- Fool Dancers** 35: 1158 sq.
- Foose-hat-che Tus-tun-nug-gee**, warrior of the Creek nation 42: 328.
- Foot**
 of baskets, method of making 41: 191 sqq.
 Serian and Yuman names for 17: 328* sqq.
- Football**
 game of the Eskimo 11: 255; 18: 335 sq.
 game of the Winnebago 37: 121.
 game similar to 42: 468.
 general description of 24: 561, 697 sq.
 played by the 24:
 Achomawi 698, 703.
 Catawba 698, 704.
 Chukchansi 698, 702.
 Eskimo 698.
 Eskimo, Central 701.
 Eskimo, Ita 701.
 Eskimo, Koksoagmiut 700 sq.
 Eskimo, Labrador 699 sq.
 Eskimo, Western 701.
 Massachuset 697, 698.
 Micmac 698.
 Mono 698, 704.
 Narraganset 697, 699.
 Nishinam 698, 703.
 Paiute 698, 704.
 Powhatan 697, 699.
 Skokomish 698, 703.
 Topinagugim 698, 702 sq.
 Washo 698, 704.
 Wyandot 698, 702.
- Foot-cast Ball**
 description of 24: 561, 711.
 played by the 24:
 Apache 712.
 Chukehansi 711.
- Foot-holes**, access to cliff houses by means of 16: 132, 134, 142, 148, 158.
- Foot Race**
 arrangements for 32: 496.
 between Seneca and Stone Coat 32: 439.

Foot Race—Continued

- challenge to 32: 233.
- heads wagered on 32: 351, 585.
- preparation for 32: 323.
- won by dog dressed as man 32: 233.

Foot Races

- appearance of Matia in 21: 104.
- Eskimo 46: 366.
- in Hopi festivals 21: 53.
- on the Yukon 46: 45, 51, 56, 60, 64, 65, 67, 69, 70, 71, 78, 79, 86.
- popularity of 46: 566.

See also **Foot Race; Wawac.**

Foot Racing

- among various tribes 14: 246.
- in Menomini myth 14: 191.
- ordeal for Carib captain 38: § 748.
- sports 38: § 591.

Footte, —, on Presbyterian missionary work among the Cherokee 19: 83.

Footprints

- curse directed at maker of 30: 128.
- explanation of use of word in songs 39: 196.
- human, representations of, on Pueblo pottery 22, i: 70, 71.
- in pictography 14: 109.
- spirit in 30: 152.
- spirit, markings ascribed to 30: 236.
- string figure of 38: § 696, 697.

Footprints of Black Bear, a war symbol 36: 76.

Footstep Wi'-gi-e 39: 80; 43: 37.

Footwear of the Eskimo 18: 40.

Forbes, John, treaty with Cherokee made by 19: 144.

Forbes, Peres, cited on Massachusetts Indian policy 18: 607.

Forbes, R. H., field work by 22, i: XII.

Forbin, V. 46: 368.

Force, M. F.

- on distribution of Indians 5: 59.
- on mound-builders 12: 600, 693, 704.

Force's Historical Tracts, on New England pots 20: 179.

Ford, Lieut. George E. (*U. S. A.*), on cabin burial 1: 123.

Ford's Ferry, trail crossing Ohio River at 42: 806.

Forehead

- Eskimo 46: 358.
- of death's-head vases, perforated knob on 20: 98.
- Western Eskimo 46: 240, 241, 251.
- Yukon Indians and Eskimo 46: 161.

Forehead Band, Guiana Indian 38: § 530.

Foreign Correspondents, on sign language 1: 407.

Foreign Policy toward Indians 18: 538-561.

Foreman, Dr. E.

- on burial urns 1: 138.
- on cremation 1: 149.

Foreman, Grant, collection presented by 43: 18.

Forest, Petrified. *See* **Petrified Forest.**

Forest Fire

- at Anvik 46: 59.
- near Ruby 46: 48, 49.

Forest Service, permits granted by 27: 11.

Forest Spirits. *See* **Bush Spirits.**

Forge of the Navaho silversmith 2: 172.

Forked Sticks, string figures of 38: § 653.

Forks-of-the-River Men, an Arapaho division 14: 956.

Forlong, J. G. R.

- cited on sacred cords 9: 564, 565, 578.
- quoted on manna 9: 517.
- quoted on sacred cakes 9: 518, 544.

Form

- classification of ware from Pueblo ruins by 22, i: 61-69.
- evolved in pottery from basketry 4: 497.
- in Mississippi Valley pottery 4: 373.
- in pottery, origin of 4: 269, 445-453.
- in textile art and its relation to ornament, with illustrations from Indian work 6: 196-201.
- modifies ornament in pottery 4: 458.
- of pottery modified by certain influences 4: 450 *sqq.*
- of vessels, origin of 20: 49.

Form—Continued

pleasures of 19: LX-LXIII, LXXIV, LXXVII.

See also **Forms**.

Formation of Iroquois Turtle Clan, myth concerning 2: 77.

Formia Clavata, as counterirritant 38: § 926.

Formosa, wild rice in 19: 1037.

Forms

eastern United States pottery 20:

cooking vessels 25, 27.

mention of 61 *sqq.*

methods of giving 49 *sqq.*

modeling implements 35 *sq.*

mortuary vessels 40 *sqq.*

ornaments 42.

pipes 45.

salt-making vessels 20.

Florida Peninsula pottery 20: 118, 119, 121, 124, 127.

Gulf Coast pottery 20: 105, 108, 111, 112.

Iroquoian pipes 20: 174 *sq.*

Iroquoian pottery 20: 160 *sq.*, 162, 163.

Middle Atlantic Coast pipes 20: 150, 151, 156, 158.

Middle Atlantic Coast pottery 20: 145, 148, 149 *sq.*, 151, 153, 165.

Middle Mississippi Valley pottery 20:

bottles 93.

eccentric and compound 93 *sq.*

life 94-97.

mention of 83, 85 *sq.*, 87.

pipes 98, 99.

platters, cups and bowls 88.

New Jersey-New England pottery 20: 175, 176.

Northwestern pottery 20: 187, 192, 196, 199, 200.

Ohio Valley pottery 20: 184 *sq.*

production of 20: xxxvi-xxxix.

South Appalachian pipes 20: 140 *sq.*

South Appalachian pottery 20: 131, 132, 138, 140.

Southern and Northern pottery 20: 145, 187.

See also **Bases; Form; Shaping**.

Forms, Geometric. *See* **Geometric Forms**.

Forms of Baskets

mention of 41: 197-210.

See also **Shapes of Baskets**.

Formulas

magical use of 42: 503.

used in medical practice 42: 623, 639 *sq.*, 641 *sq.*, 642 *sq.*, 646, 647 *sq.*, 652 *sq.*, 656.

Fornander, —, cited on Hawaiian monsters 16: 214.

Fornication among the Omaha 3: 365.

Forrest, H. R., killed at Wounded Knee 14: 872.

Förstemann, Dr. E.

citation from *Die Mayahandschrift* of 6: 261-269.

cited 6: 272, 278, 280, 281, 283, 290, 292, 293, 300, 301, 302, 303, 304, 305, 320, 322, 329, 330, 339, 340.

on Dresden Codex 19: 799, 805.

on Mayan division of solar year 19: 954 *sq.*

on Mayan methods of computation 19: 932 *sq.*

on Mayan "old year" 19: 748.

on Mayan time units 19: 715 *sq.*

on Mayan years 19: 806.

on methods of counting Mexican time symbols 19: 723, 724, 725, 729.

on significance of certain glyphs 16: 250.

on time series of Dresden Codex 19: 709 *sq.*

paper by 24: xxxii.

reference to 19: 699, 708.

reference to discoveries by 19: 818.

Forsyth, Colonel —

at surrender of Big Foot 14: 867.

at Wounded Knee massacre 14: 870.

operations of, in Sioux outbreak 14: 875.

troops under, at Pine Ridge 14: 850.

Forsyth, R. A., land treaty witness 14: 29.

Forsyth, Thomas

on use of wild rice by Sauk 19: 1051.

reference to 40: 501.

Forsyth County, Ga.

petroglyphs in 10: 76.

rock carvings in 4: 23.

- Fort**
 comparison with *trinchera* 28: 218.
 construction of 45: 117 *sq.*
- Fort Adams**, treaty of 18: 660.
- Fort Amsterdam**, founding of 18: 576.
- Fort Ancient**, Ohio, fragments of pottery from 20: 184.
- Fort Armstrong**
 garrisoning of, by the Cherokee 19: 92.
 treaties of 18: 736.
- Fort Atkinson**
 intaglio mound at 37: 91.
 treaty of, in 1853 17: 173, 290.
- Fort Belknap Reserve**, establishment of 18: 926.
- Fort Benton**, a trading point 46: 407.
- Fort Berthold**
 a trading point 46: 407.
 Indian fight near 4: 103.
 Indian painting at 4: 55.
 notched sticks at 4: 81.
 pictographs at 4: 183, 186, 187.
- Fort Berthold Reserve**
 changes in 18: 900, 942, 944.
 establishment of 18: 852.
- Fort Blount**, trail crossing commanded by 42: 834.
- Fort Bridger**, treaties of 18: 828, 850.
- Fort Buford**, Indian fight near 4: 103.
- Fort Childs**, treaty of 18: 780.
- Fort Chimo**, ethnology of 11: 167.
- Fort Chiswell**, Va.
 interest attached to 42: 761.
 trail to 42: 759.
- Fort Clark**, treaty of 18: 676.
- Fort Clarke**, a trading point 46: 407.
- Fort Cobb**
 operations conducted from, in 1868 17: 187.
 peace council held at 17: 190.
 surrender of hostilities at 17: 188.
- Fort Confederation**, treaty of 18: 662.
- Fort Defiance**, N. C.
 cession of land at 18: 654.
 home of Hano clans 19: 614.
 mounds near 5: 68.
- Fort Dobbs**, building of 19: 40.
- Fort Dodge**, ransom of captives at 17: 181.
- Fort Du Chesne**, military reservation including 18: 925.
- Fort Du Quesne**
 building of 19: 39.
 capture of 19: 40.
 reference to 42: 761.
- Fort George**, high tides at 11: 170.
- Fort George Indians**, dialect of 28: 247.
- Fort Gibson**
 claims based on treaty of 19: 125.
 expedition from 17: 263 *sq.*
 intertribal council at, in 1888 17: 221.
 military reservation at 19: 140.
 provisions of treaty of 19: 124.
 treaties of 18: 744-748, 774; 19: 142.
- Fort Gibson Military Reserve**
 establishment of 18: 720.
 treaty affecting 18: 754.
- Fort Hall**, Ghost dance at 14: 807.
- Fort Hall Reserve**
 changes in 18: 906, 926, 928.
 establishment of 18: 846, 850.
- Fort Harmor**, treaties of 18: 650 *sqq.*
- Fort Harrison**, treaties of 18: 650, 698.
- Fort Henry**, Va., trail from 42: 775.
- Fort Industry**, treaties of 18: 666, 668.
- Fort Jackson**, treaty of 18: 678.
- Fort James**, establishment of 18: 659.
- Fort Kearney**, massacre of troops at 17: 183.
- Fort La Reine**, reference to 27: 80, 612.
- Fort Laramie**
 battle between whites and Indians near 4: 143.
 description of Sioux claims under treaty of 18: 905.
 first goods issued to Indians at 4: 142.
 surrender of rights by treaty of 18: 849, 852, 864.
 treaties of 4: 121, 125; 17: 290; 18: 786, 848.

Fort Larned

distributing point for Indians 17: 177.

Kiowa name for 17: 314.

Kiowa raid on 17: 179.

ransom of captives at 17: 181.

Fort Leavenworth

councils of 4: 125.

treaties of 18: 740, 760.

Fort Loudon

building of 19: 40.

massacre of 42: 751.

Fort Loudon, Old, trail touching 42: 750.

Fort Lyon, surrender of Plains Indians at 17: 179.

Fort Massac, reservation of 18: 656.

Fort McIntosh, treaty of 18: 648.

Fort Michilimackinac, capture of, through game of lacrosse 24: 564.

Fort Mimms, attack on 42: 105.

Fort Mims, massacre at 19: 89, 216.

Fort Nassau, founding of 18: 576.

Fort O'Kinakane 4: 26.

Fort, Old Ponka 3: 313.

Fort Orleans, reference to 27: 81, 612.

Fort Oswego, reservation at 18: 648.

Fort Patrick Henry, building of 19: 51.

Fort Peck Reserve, establishment of 18: 924.

Fort Phil. Kearny, whites massacred at 4: 144.

Fort Pierre

a trading post 46: 407.

treaty at 4: 122.

Fort Pitt

reference to 42: 761.

suggestion made at treaty of 19: 113.

Fort Prince George

building of 19: 40.

legend of siege of 19: 412.

siege of 19: 42 *sq.*

Fort Recovery, building of 19: 212.

Fort Rice

eclipse seen at 4: 126.

picture message at 4: 98.

Winter counts at 4: 89, 90, 91.

Fort Ridge, Tenn., trail passing 42: 854.

Fort Robinson, events at 4: 146.

Fort Rupert

establishment of, by Hudson Bay Company 35: 973.

mention of 35: 742, 882.

removal to 35: 1109.

Fort-sense, Seri lack of 17: 264* *sq.*

Fort Sill

establishment of 17: 188.

Indian attack on 17: 188.

stock stealing at 17: 202.

Fort Smith, Osage-Cherokee council at 19: 137.

Fort Snelling, Dakotas near 4: 202.

Fort Stanton Reserve

changes in 18: 870, 906.

establishment of 18: 862 *sqq.*

Fort Stanwix, treaties of 18: 584, 648; 19: 203.

Fort Stevenson, N. Dak., pottery from 20: 198.

Fort St. Louis, account of 42: 829.

Fort Sully, treaty of 18: 838.

Fort Sumner, treaty of 18: 848 *sqq.*

Fort Totten Cree Dialect

discussion of 28: 241-247.

examples in comparison with 28:

Algonkin 265.

Fox 257, 267, 278.

Ojibwa 257, 267, 278.

Ottawa 265.

independent mode in 28: 260, 265.

investigation of 28: 225.

pronunciation of 28: 227.

reference to 28: 248.

subjunctive mode in 28: 252.

Fort Toulouse

establishment of 19: 34 *sq.*

mention of 42: 321.

Fort Union

a trading point 46: 407.

description of, by E. Denig 46: 381.

Indian fight near 4: 103.

Fort Wadsworth, N. Dak., pottery from 20: 200 *sq.*

Fort Washakie, Wyo., petroglyphs near 4: 24; 10: 129 *sq.*

Fort Wayne, Ind.

assent of Wea to treaty of 18: 678.

cession of land at 18: 654.

passage of Indian delegations through 14: 684.

Tecumtha at 14: 690.

- Fort Wayne, Ind.**—Continued
 trail to 42: 786.
 treaties of 18: 662, 664, 676 *sqq.*
- Fort Wilkinson**, treaties of 18: 660, 662.
- Fort Wingate**, site of old kipo 19: 614.
- Fort Wingate Road, Old**, evidences of ancient settlements along 23: 16.
- Fort Wise**, treaty of 18: 824.
- Fort Wrangell, Alaska**, petroglyphs near 10: 47.
- Fort Yukon** 46: 128, 130, 132.
- Forte, Joseph**, quoted on shell chisels 34: 80.
- Fortifications**
 at Narrows of Pitman Creek 42: 803.
 of the Indians and mound-builders, comparison of 12: 667-671.
- Fortified Towns.** *See* **Walled Towns.**
- Fortress Houses**, highest type of Pueblo construction 8: 77.
- Fortunate Isles**, heaven in 30: 160.
- Forty-mile Indians** 46: 124.
- Fosbrooke, Thomas D.**
 on symbolic use of ashes 9: 536.
 on use of rushes at Easter 9: 528.
- Fossil**
 distribution of 46: 174.
 distribution, extension of 46: 211.
 distribution, Eskimo 46: 176.
 fabrics, discussion of 13: 28.
 ivory culture 46: 87, 88, 145, 173, 174, 175, 202, 210, 363.
 ivory culture, affinities 46: 174, 175.
 ivory culture, carving into beads, etc. 46: 210.
 specimens 46: 88, 89, 91, 92, 93, 96, 100, 109.
 trade in 46: 87, 88, 89, 91, 93.
See also **Fossils.**
- Fossil Beds of Florida**, exploration of 43: 14 *sq.*
- Fossil-bone Beds** 24: xi.
- Fossilization of bones**, Bonasila 46: 60, 142, 157.
- Fossilized Bones** 46: 134.
- Fossils**
 at "boneyard" 46: 47.
 Fairbanks 46: 39.
- Fossils**—Continued
 use of, in Hopi ceremony 17: 730.
See also **Fossil.**
- Foster, —**
 on Cherokee literature 19: 112.
 on Cherokee myths 19: 431, 436.
 on Cherokee schoolbooks 19: 151.
 on death of Sequoya 19: 148.
 on invention of syllabary 19: 110.
 on translation of St. John's gospel 19: 111.
- Foster, Doctor —**, list of names by 37: 221.
- Foster, Governor —**, Sioux commissioner 14: 839.
- Foster, E. W.**, on Selwyn's interview with Kuwapi 14: 798.
- Foster, J. W.**
 cited 12: 564, 601, 602, 614, 628.
 illustrations from 20: 191.
 on cremation 1: 150.
 on origin of mound-builders 12: 599.
 on urn burial 1: 137.
- Foster, Thomas**, cited on Indian beliefs 11: 522.
- Foster Hunting and Fishing Club**, acknowledgment to 44: 437.
- Foudray, Miss E.** 46: 322.
- Foundation of Basket**, making of 41: 160.
- Foundation Towns of Creek Confederacy** 42: 307.
- Fouquiera Splendens.** *See* **Okatilla.**
- Four**
 a ceremonial number 47: 132.
 a magic number 44: 260.
 a mystic number 31: 453; 45: 185.
 a sacred number 37: 436; 40: 41, 83, 89, 93, 97, 103, 115, 123, 125, 139, 141, 163, 169, 175, 179, 199, 221, 243, 265, 321, 335, 344, 357, 360, 366, 381, 391, 399, 405, 421, 427, 433, 441, 463, 502, 523, 549, 565, 569; 41: 537.
 a sacred number, Pima 26: 232, 239, 265, 299, 336, 347, 351, 360, 366, 370, 374, 375, 376, 385-389.
 among the Tlingit 26: 430, 438.
 ceremonial number 35: 620, 623, 626, 627, 630, 633, 634, 635, 636, 639, 640, 645, 646, 650, 653, 668, 669, 739.
 cauterizing in four places 35: 696.

Four—Continued

- circuit around four houses 35: 684.
- four assistants of Hamshamts! Es 35: 1169.
- four canoes in marriage ceremonial 35: 1004.
- four cries 35: 758, 765.
- four dancers 35: 767, 772, 773, 877, 892, 893, 1071.
- four dances given in marriage 35: 861.
- four-day period for wearing cedar-bark rings in nōnlem 35: 1035.
- four days 35: 329, 481, 499, 679, 685, 709, 735, 818.
- four days interval 35: 1202.
- four days, invitation for 35: 1041.
- four days preparation for feasts 35: 1024.
- four days, purification after 35: 1138.
- four days singing in ceremonial 35: 869, 870.
- four guests 35: 396.
- four heralds of Sparrow society 35: 1178.
- four house-dishes 35: 805, 962.
- four invitations 35: 752, 763.
- four invitations to Winter ceremonial 35: 1171.
- four kinds of food 35: 705, 718.
- four men as messengers 35: 561, 734, 749, 770, 1043.
- four months 35: 670, 680.
- four months, novice stays away for 35: 850.
- four months, time of initiation of novice 35: 1149.
- four mouthfuls of water 35: 700.
- four nights, dancers disappear for 35: 877.
- four novices 35: 1037.
- four persons bury twins 35: 687.
- four pieces of food 35: 700.
- four purifications 35: 701.
- four slaves 35: 969.
- four songs 35: 369, 789.
- four songs for ceremonial 35: 873, 874, 1168.
- four songs of nōnlem 35: 1034.
- four speakers 35: 873, 877, 962, 1081.
- four steps, house with 35: 954.

Four—Continued

- four times bathing for purification 35: 1123.
- four winter dances 35: 966.
- four winters, cannibal dancer performance for 35: 1017.
- four winters, period of dance of cannibal 35: 1175.
- four wooing canoes 35: 1029, 1051.
- four years, period of initiation 35: 1130.
- sacrifice in four pieces 35: 703.
- symbolism of, in Hako ceremony 22, ii: 68, 93, 96, 187, 283, 315.
- taboos for four years 35: 685.
- time-beating four times 35: 720.
- Four Corners**, steatite quarry at 16: 125.
- Four-eye Fish**, type of basket 38: § 414, 425.
- Four-footed Tribes** 19: 261-266, 445-448.
- Four Great Chiefs of the Wind**, story of 31: 121-125.
- Fourmile**, collections from 19: XXI.
- Four-mile Ruin, Ariz.**
 - animal remains from, collection of 22, i: 164.
 - bell from description and figure of 22, i: 162 sq.
 - bone implements from, similarity of, to those from Chaves Pass 22, i: 164.
 - bowl from, double spiral design on 22, i: 151.
 - cemeteries of, skeletons and mortuary objects from 22, i: 139 sq.
 - copper bells from 22, i: 162 sq.
 - food bowls from, decoration of 22, i: 143-158.
 - food bowls from, decoration on, figures showing 22, i: 144-155, 157.
 - former inhabitants of, possible reference to, by Spanish writers 22, i: 123.
 - gourd rattle from, description of 22, i: 163.
 - location and general plan of 22, i: 136 sq.
 - ornaments from, scarcity of 22, i: 163.
 - potter's outfit from 22, i: 158.
 - pottery from 22, i:
 - bear design on 153.

Four-mile Ruin, Ariz.—Continued
pottery from 22, i—continued

- bear's paw design on, cut showing 155.
- bird designs on 146 *sqq.*
- bird designs on, cuts showing 146, 147, 148, 149, 154, 155.
- butterfly designs on 148, 149.
- cloud emblem on, figure showing 157.
- decoration of, character of 142 *sq.*
- dragon-fly designs on, cut showing 147.
- feather decorations on 149, 151.
- forms of 142.
- geometrical designs on, character of 150 *sqq.*
- geometrical designs on, figures showing 151, 152, 155.
- human figures on 143 *sqq.*
- human figures on, views of 144.
- mortuary, character of 158.
- quadruped figures on 145.
- rain-cloud designs on, description of 155–158.
- rain-cloud designs on, cuts showing 150, 157.
- similarity between that from Pueblo Viejo and 141.
- spiral designs on 151.
- sun emblem on, cut showing 150.
- types of, description of 140 *sq.*
- pottery of Gila, type in, occurrence of 22, i: 141.
- Pueblo ruins near 22, i: 164.
- room in, description of 22, i: 137 *sqq.*
- room in, upright posts in, cut showing 22, i: 138.
- saucer from, decoration on 22, i: 142.
- stone from, used in belt frame, description and figure of 22, i: 159 *sq.*
- stone implements from 22, i: 159 *sq.*
- stone slabs from, character of 22, i: 160 *sqq.*
- stone slabs from, views of 22, i: 161.
- suburban oven of 22, i: 139.
- vessel from, figure of raccoon on, suggestion of 22, i: 145.
- view of 22, i: 136.

Four o'clock. *See* Wild Four o'clock.**Four-stick Games**

- general description of 24: 44, 327 *sq.*
- implements for 24: 33.
- played by the 24:
 - Achomawi 327, 332, 333.
 - Amiitstei 333.
 - Basiwi 333.
 - Chinook 327.
 - Clackama 328.
 - Hadiwiwi 333.
 - Hamoawi 333.
 - Klamath 327, 328–332.
 - Lutwami 333.
 - Modoc 327, 332.
 - Paiute 327, 333 *sqq.*
 - Pakamali 333.
 - Pao 335.
 - Sasteitei 333.
 - Washo 327, 335.

Four-times Four

- circuits of the lodge 22, ii: 187–201, 340, 341.
- symbolism of 22, ii: 298.

Fowke, Gerard

- acknowledgments to 12: 25; 15: 18; 29: 12.
- archeological exploration by 23: xv.
- bulletins by 15: LV, LVIII, LXII, LXV, LXVIII; 30: 23.
- collections made by 29: 21; 37: 30; 40: 20; 41: 19, 20, 72; 42: 18, 19; 43: 18.
- contributor to Bureau 48: 1189.
- engaged as assistant 12: 19.
- explorations of 12: 449; 29: 19.
- field work of 6: xxvi.
- finding of silver medal bearing Spanish coat of arms in mound by 12: 715.
- memoir by, on stone art 13: L, 37–178.
- on absence of pottery in mound near Luray, Va. 20: 150.
- on Culpeper steatite pit 15: 107.
- on earthenware spools 20: 43 *sq.*
- paper by 44: 16.
- publication of memoir by 17: LVII.
- report by, on aboriginal quarries 15: 77.
- report by, on Virginia workshop 15: 100.

Fowke, Gerard—Continued

work of 8: xx, xxiv; 9: xxxviii;
10: xi; 13: xxvi, xxviii; 14:
xxvi, xxvii; 15: xxi, xxv,
xxviii, xxxiii, lxxv; 19:
xviii; 24: xi, xxix; 26: xxv;
36: 22 *sq.*; 40: 15 *sq.*; 41:
15, 40, 41, 48, 91 *sq.*; 42: 4;
43: 11 *sq.*, 19.

Fowler, Hon. H., mention of 34: 68.

Fowler Family, mention of 43: 224.

Fowls

anus of, string figure of 38: § 707.
domestic, among the Guiana Indians
38: § 724.

domestic, among the Pueblo Indians
14: 516, 521, 559.

Eskimo methods of catching 18:
268.

See also **Birds; Poultry.**

Fox, Andrew, Seneca informant 32:
52.

Fox, George, claims of 14: 937.

Fox, a man-being in Iroquoian cosmology 21: 202.

Fox and Geese, dice game, Eskimo
24: 103.

Fox Clan

native names for 42: 115.

story concerning 42: 108.

Fox Dance

a woman's dance 43: 528.

description of 42: 528; 46: 561.

mention of 42: 523, 524.

Fox Farms 46: 202.

"Fox Fire," belief concerning 46:
202.

Fox-glove, Wild, uses of 33: 114.

Fox Indians

early habitat of the 14: 16, 19.

expedition against the 37: 54.

expulsion of the 14: 14, 16.

Ghost dance among the 14: 902.

in wild rice district 19: 1050.

land cessions and reservations 18:
666, 680, 706, 710 *sqq.*, 726, 736,
760 *sqq.*, 766 *sqq.*, 778, 792, 822,
824, 842, 858, 886, 918, 922, 938
sqq.

linguistic investigations among 28:
225.

memoir on, preparation of 47: 3.

(Mechecouquis) population of, in
1764 19: 1108.

Fox Indians—Continued

papers on the 42: 16; 43: 15;
45: 3.

population of 19: 1109, 1110.

preparation of papers on 42: 7.

relations of, with Winnebago 37:
58 *sq.*

researches among 36: 17 *sq.*; 37:
16 *sq.*; 41: 11 *sq.*; 34, 57 *sq.*,
83, 106 *sq.*; 43: 6.

sacred packs of the 34: 16, 30.

study of, by Dr. T. Michelson 34:
15.

study of dialect of 23: xiv, xxxv.

study of history of 30: 19, 20.

texts 23: xxxv.

tribal names and meaning 19:
1050.

tribal sign for 1: 468.

wild rice villages of, destroyed by
Ojibwa 19: 1040.

See also **Sauk and Fox.**

Fox Language

certain forms of 28: 239.

conjunctive mode in 28: 234, 265,
271, 272, 288.

consonantic clusters in 28: 249.

description of 28: 252-255, 258-
261.

examples in comparison with 28:

Abnaki 238, 239, 279, 283, 284,
285, 287.

Algonkin 244, 245, 251, 252, 261,
262, 265, 267, 271 *sq.*

Arapaho 235.

Cheyenne 233, 234.

Cree 235, 238, 239, 243, 244, 245,
247, 248, 249, 250, 251, 252,
256, 257, 258, 261, 262, 263,
265, 267, 269, 271, 272, 273, 274,
275, 278, 279, 280, 283, 284, 286,
287, 288.

Cree-Montagnais 273, 277, 278.

Delaware 238, 239, 243, 244, 250,
251, 256, 257, 260 *sq.*, 265, 267,
270, 273, 274, 275, 277, 278 *sq.*,
283, 284, 287.

Eastern Algonquian 227, 258, 261,
270, 287, 288.

Eastern Central Algonquian 237.

Fort Totten Cree 258, 267, 278.

Kickapoo 248, 258, 267, 272.

Malecite 238, 239, 274, 283, 284.

Fox Language—Continued

examples in comparison with 28—
continued

Menominee 238, 239, 243, 244,
245, 249, 250, 251, 257, 261,
262, 267, 270, 271, 272, 273, 277,
278, 279, 283, 284.

Micmac 238, 245, 249, 256, 272,
273, 279, 283, 284, 288.

Minsi 239, 274.

Montagnais 247, 248, 261, 267,
272, 279.

Moose Cree 262.

Natick 238, 239, 244, 250, 251,
265, 273, 274, 275, 278 *sq.*, 283,
284.

Ojibwa 235, 238, 239, 244, 245,
249, 251, 256, 257, 258, 261, 262,
263, 265, 267, 268, 269, 270, 271,
272, 274, 275, 277, 278, 279, 283,
284, 286.

Passamaquoddy 239, 257, 258,
277, 283, 284, 285, 286, 287.

Penobscot 238, 267, 283, 284, 285.

Peoria 238, 239, 244, 245, 251,
252, 256, 257, 261, 262, 265, 267,
269, 270, 271, 272, 274, 275, 278,
279, 283, 284, 288.

Piegán 261.

Potawatomi 262.

Sauk 248, 258, 267, 272, 288.

Seaticook 279.

Shawnee 238, 239, 245, 251, 252,
256, 257, 258, 261, 262, 265, 267,
269, 270, 271, 272, 274, 278, 279,
280, 283, 284, 286, 287, 288.

Stockbridge 238, 284.

Turtle Mountain (Ojibwa dialect)
239.

independent mode in 28: 247, 248,
267 *sq.*, 271, 287, 289.

indicative mode in 28: 273.

noun endings, nominative singular
28: 272.

participial mode in 28: 245, 265,
271.

possessive pronouns in 28: 256.

pronunciation of 28: 227.

relationships of 28: 231, 232, 238,
244, 250, 252, 280, 288, 289.

subjunctive mode in 28: 246, 247,
248, 265, 269, 272.

subjunctive-participial mode in 28:
245.

suppositive mode in 28: 273.

See also Kickapoo; Sauk.

Fox Men, an Arapaho warrior order
14: 987.

Fox River, wild rice in 19: 1033.

Fox Skins

a part of Tusayan costumery 16:
282, 293, 294, 298.

appearance of, in pictures of Hopi
katchinas 21: 65, 68 *sqq.*, 72, 75,
76, 82, 84, 97, 99, 112, 114.

Eskimo ceremonial objects made of
18: 418.

Eskimo clothing made of 18: 32, 33.

in Hopi ceremonies 15: 263, 267,
275, 278, 281, 282, 286, 287, 296, 297.

insignia of doctor 42: 618.

work by katchinas 47: 870.

Fox Tribe, Iowa, linguistic investiga-
tions among 28: 225.

Foxes

Eskimo methods of trapping 18:
121 *sqq.*

Eskimo myth concerning 11: 264.
in Menomini mythology 14: 91,
172, 191.

mention of 46: 95, 111.

method of hunting 9: 264.

myths and lore concerning 19: 263,
265, 266, 272, 431, 452.

sea, Eskimo mythic animal 18: 444.
silver, special connection with woman
27: 512.

Tlingit and Haida names for 26:
476.

trapping of 46: 538 *sq.*

See also Fox Skins.

Frachtenberg, Dr. Leo J.

bulletin by 39: 24.

compilation of Coos and Siuslaw
grammars by 33: 29.

investigations of 29: 18.

investigations of, among the Coos
Indians 31: 18.

papers by 36: 30; 40: 17.

special research by 32: 26.

study of Quileute Indians by 38:
p. 11.

work of 28: 15; 30: 21; 34: 21;
36: 19, 20 *sqq.*; 37: 17 *sqq.*, 20;
39: 20 *sq.*, 27 *sq.*; 40: 12.

Fracture, New Jersey-New England
pottery 20: 175.

Fracturing, implements produced by
15: 25.

Fragaria Americana 33: 84.

- Fragaria Californica** 45: 488, 509.
Fragaria Vesca Americana 45: 487.
Fragaria Virginiana
 medicinal constituents of 44: 304.
 medicinal properties of 44: 301.
 use of 33: 84; 44: 287, 307, 346.
- Fragments** of pottery, use of, in burial, Florida Peninsula 20: 119.
- Frames**
 for drying berries 35: 167.
 for steaming cinquefoil roots 35: 535, 536, 539, 542.
 for storage of Eskimo sledges and kaiaks 18: 244, 245.
 for stretching skins, Eskimo 18: 116.
 of trapdoors, method of making 8: 206.
- Framing** of windows, method of 8: 196 *sqq.*
- France**
 emblems on tombstones in 10: 524.
 gambling pebbles from 10: 549 *sq.*
 paleolithic, animal figures on handles of poignards 46: 175.
 petroglyphs in 10: 175 *sqq.*
See also French.
- Franciscan Fathers**
 on Acoma 29: 544.
 on Albuquerque 29: 530.
 on Bernalillo 29: 521.
 on Cabezon Mesa 29: 547.
 on Cochiti 29: 440.
 on Isleta 29: 529.
 on Jemez 29: 420.
 on Laguna 29: 540, 541.
 on Little Colorado River 29: 570.
 on Navaho cardinal colors 29: 42.
 on Navaho cardinal shells 29: 44.
 on Puerco River 29: 538.
 on San Felipe 29: 499.
 on San Juan 29: 213.
 on San Juan River 29: 560.
 on Santa Fé 29: 460.
 on Sandia 29: 526.
 on Santo Domingo 29: 449.
 on Sia 29: 519.
 on Taos 29: 182.
 on Tqo Hajilêhe 29: 555.
 reference to 29: 44.
- Franciscan Friars**
 advent into Sonora of 17: 79.
- Franciscan Friars**—Continued
 foundation of mission in Seriland by 17: 80 *sqq.*
 records of Seri by 17: 82.
- Franciscans**
 dress of the 14: 543.
 election of Niza by the 14: 476.
 in New Spain 14: 474.
- Francischetti, Dominic**, killed at Wounded Knee 14: 872, 875.
- Francisco**, Pima chief 26: 21.
- Frankfort, Ky.**
 settlement of 42: 789.
 trails near 42: 742.
- Franklin, Benjamin**, suggests that works of Ohio were constructed by De Soto 12: 597.
- Franklin, Sir John**
 cited on earth-eating by Eskimo 9: 539.
 cited on Eskimo deer hunting 9: 265.
 cited on Eskimo mode of carrying infants 9: 416.
 cited on Eskimo snowshoes 9: 352.
 mention of 46: 219.
 work of, consulted 9: 22.
- Franklin County, Ala.**, pottery in 4: 434.
- Franklin County, Fla.**, pottery of 20: 110 *sqq.*, 127.
- Franklin County, Miss.**, bottle from 20: 106.
- Franklin Pike**, origin of 42: 741.
- Franklin, State of**
 intended campaign against Creeks and Chickamauga by 19: 65.
 mention of 42: 758.
 treaties with the 5: 151, 152.
 treaty with Cherokee by the 19: 63 *sq.*
- Franquelin, —**, map made by, showing trail 42: 847.
- Fraser River People**
 basketry of 41: 207, 208, 209, 275.
See also Lower Fraser River People.
- Frasquillo**, flight of Tanoan refugees under 17: 578, 600.
- Fraternalities, Zuñi**
 ceremonial bathing of 23: 425.
 drums of 23: 425.
 eligibility to membership in 23: 413.

- Fraternities, Zúfi**—Continued
 garments worn by members of 23: 425.
 language of songs of 23: 424, 425.
 length of meetings of 23: 421.
 method of notification of meetings of 23: 422.
 meeting places of 23: 423.
 rooms of the 23: 423.
 time of meeting of 23: 421, 422.
- Fraternity**
 director of, medicine water distributed by 23: 147.
 features of 19: L.
 greeting to each member of 23: 550 sq.
 Hopi 21: 23, 24.
 initiation of novices into 21: 19.
 invocation to the 23: 552.
 study of 19: XLVI-L.
- Frauds, in Indian relics** 4: 247-253.
- Fraudulent Articles** from North Carolina 12: 347.
- Fraxinus**, use of 44: 289, 364.
- Fraxinus Nigra**, use of 44: 289, 377.
- Fraxinus Pennsylvanica** 33: 108.
- Frazer, Sir James George**
 cited on Indian customs 9: 485.
 mention of 31: 516.
 on masking the dead 15: 312.
- Frazier, Samuel**, mound on land of, Tennessee 10: 406.
- Freak Baskets**, Guiana Indian 38: § 447.
- Frédéric, J.** 46: 368.
- Fredericks, —**, acknowledgment to 18: 22.
- Fredericksburg**, operations near 13: XXVI.
- Fredonia Rebellion**, Cherokee connection with 19: 143.
- Freeland's Station**, attack on 19: 62 sq.
- Freeman, Calvin**, mounds on farm of 44: 408.
- Freeman Place**, village site on 15: 69.
- Freere Collection**, reference to 29: 10 sq.
- Freighting** done by the Kiowa 17: 352.
- Freire-Marreco, Miss Barbara**
 acknowledgment to 29: 38.
 collaboration of 34: 23, 27.
- Freire-Marreco, Miss Barbara**—Con.
 paper by 37: 28.
 work of 36: 30 sq.
- Freize.** *See* Rim.
- Fremont, —**, Omaha name for 27: 101.
- Frémont, Gen. J. C.**, on signs of Paiutes and Shoshonis 1: 324.
- Fremont, Samuel**
 acknowledgment to 11: 362.
 aid by 10: XVIII sq.
 on fetishes 11: 415.
 on Indian beliefs 11: 374, 375, 380.
- French, B. F.**, citation from Hist. Coll. Louisiana of 10: 618, 619; 20: 34.
- French**
 claims to land in America, basis of 18: 528.
 contract with Quapaw 27: 67.
 encouragement of Cherokee hostility by 19: 62 sqq.
 explorers, observation of pictographs by 4: 33.
 first contact of, with the Winnebago 37: 65, 67 sqq.
 influence on Omaha 27: 81, 114, 611 sq., 626.
 inhabitants of Green Bay 14: 24.
 learning of Indian art of sugar-making by 20: 32.
 marriage of, with the Menomini 14: 16.
 Natchez war with 19: 386.
 policy toward Indians 18: 545-549.
 practice of potter's art by Iroquoian tribes at coming of 20: 160.
 relations of, with Indians 19: 98, 99.
 rivalry of, with English 19: 34 sq.
 trade of, with Indians, in salt 20: 31.
 traders in Coldwater, capture of 19: 67.
See also France; Traders.
- French and Indian War**
 Cherokee part in 19: 39 sq.
 reference to 14: 16, 663.
- French Acadians**
 defeat of, at Port Royal 10: 42.
 story of, told by Louis Labrador 10: 42.

- French Broad River**, relics from 3: 440.
- French Decanters**, imitations of, found in mound 10: 715.
- French Ford** of the Rio Grande, road to 42: 830.
- French Fort**, Toulouse, Alabama 12: 288.
- French Language**, influence of, on geographic nomenclature 19: 1115.
- French Lick**
description of 42: 741.
trail to 42: 851.
- Frenchmen**
Indian belief of origin of 14: 721.
Indian regard for 14: 676.
settlement of, among Indians 14: 662.
- French Prophets**, account of the 14: 938.
- Fresh Land Clan**, native names for 42: 116.
- Freshet**
effect of, on ancient Verde irrigating ditch 13: 240.
in Rio Verde 13: 191.
pictographs for 10: 591 sq.
- Freshwater Bay**, settlement at 34: 82.
- Fresno River Reserve**, abandonment of 18: 822.
- Fret Designs**
absence of, in Iroquoian pottery 20: 163.
in Pima basketry 26: 136-140.
Pueblo articles bearing 22, i: 85, 89 sq.
See also Decoration.
- Frey, Henri**, killed at Wounded Knee 14: 872.
- Frey, S. L.**
description of shell vessels by 2: 198.
description of stone graves in New York by 12: 547.
pottery collected by 20: 167.
- Freytas, Nicolas de**, on Taos 29: 182.
- Friction Musical Instruments** 38: § 582.
- Friday**, visit of, to Wovoka 14: 817, 894.
- Fridolin, J.** 46: 368.
- Friend**
sign for 1: 384, 491, 527.
Tewa name for 29: 574.
- Friendly Village**, dialect of 7: 104.
- Friends**, work of, among the Cherokee 19: 175 sq.
- Friend's Dance**
description of 42: 533.
mention of 42: 524.
- Friendship**
binas for 30: 286.
in Omaha life 27: 318 sq.
sign for 1: 384, 491, 527.
- Friendship and Welcome** 38: § 807, 808.
- Friendship Dance**, introduced by Pa'-thěskě 14: 700.
- "Friendship" Relation** of clans 37: 187, 201.
- Friesell, H. E.** 46: 313.
- Fringing**, as decoration 41: 368 sq.
- Frio, Rio**, crossing of, by Coronado 14: 586.
- Frisk Cloud**, melodies recorded by 47: 9.
- Fritillaria Lanceolata** 45: 481.
- Fritillaria Pudica** 45: 482.
- Fritillaria sp.** 45: 481.
- Fritillary**, as food 45: 481, 482.
- Frizzi, E.** 46: 368.
- Fröbel, Julius**
on character of Pima 26: 198.
on Pima weaving 26: 153.
- Frobisher, —**
cited on Eskimo arrows 9: 205.
cited on Eskimo bows 9: 200.
description of Eskimo umiak by 9: 339.
work of, consulted 9: 22.
- Frobisher, M.**, cited 6: 410, 469, 558.
- Frobisher Bay**, use of, by Eskimo 6: 423.
- Frocks** of the Eskimo 9: 113-121; 18: 30-36.
- Frog**
a beautiful woman transformed into a 31: 261, 460.
among Pima, in song 26: 308.
amulet representing 34: 234.
figures of, from Pueblo ruins 22, i: 92.
figures on Sikyatki pottery 17: 658.

Frog—Continued

- figures on Tusayan bowls 17: 677.
- in Navaho genesis 17: 488.
- myths concerning 11: 334; 19: 251, 257, 306.
- representation of, in Gulf Coast pottery 20: 107, 109, 110, 114.
- representation of, in Middle Mississippi Valley pottery 20: 92, 95.
- See also* **Bullfrog**; **Frogs**.

Frog among the Tlingit

- crest animal 26: 416, 423.
- house group name 26: 402, 404, 405.
- in mythology 26: 434, 467.
- Kiksa'di names for 26: 421.
- popular notions concerning 26: 457, 470.
- sources of personal names 26: 405, 422.

Frog and Toad

- basketry patterns 38: § 444.
- food 38: § 218.
- kept for purposes of augury 38: § 725.
- sign of rain 38: § 938.
- string figure 38: § 645.
- whistles 38: § 568.

Frog Clan of the Zuñi 23: 200.**Frog Dance, Kwakiutl** 35: 928, 935, 959.**Frog Dancer, Kwakiutl, song of** 35: 935.**Frog Design** on bowl from Kintiel, description and figure of 22, i: 132.**Frog Tanks, Ariz., forts near** 28: 215 *sq.***Frog War-dance** 35: 861, 897, 910, 1208.**Frog Whistle** 35: 1070.**Frog Woman, in Pima song** 26: 304.**Frogmore Creek, cache found in** 15: 76.**Frogs**

- association of, with rain 30: 267, 370.
- charm made from 30: 278 *sq.*, 370.
- fire brought by 30: 133, 370.
- foretelling by 30: 274.
- hunting taught by 30: 123, 213-216, 370.
- influence of, on hunting 30: 213.

Frogs—Continued

- legends concerning 30: 125, 130-135, 213 *sq.*, 251, 218.
- music taught by 30: 124, 370.
- omens drawn from 30: 274, 370.
- representation of, in Hopi festivals 21: 47.
- symbolic use of, in prayer-stick making 21: 31.
- use of effigy of, in Tawa Paholawû 21: 56.
- used as food 30: 191.
- used in ordeals 30: 278 *sq.*
- whipping of 30: 138 *sq.*, 370.
- See also* **Frog**.

Frommann, J. C., on magic knots 9: 569.**Fronani, Emanuele, acknowledgment to** 17: 21.**Frost, L. L., pictographs reported by** 10: 69.**Frost (Max) and Walter (Paul), on Soda Springs** 29: 168.**Frost**

- destructive to wild rice 19: 1027, 1100.
- terms relating to 29: 54.

Frostbite, Cherokee ideas concerning 19: 263.**Frowning as a sign of disapproval** 20: CXLII.**Frozen Ground** 46: 41, 113, 168, 170, 173, 183, 210, 363.**Fruit**

- as food among Omahas 3: 306.
- introduction of, into Pueblo country 14: 550.
- Seri consumption of 17: 206* *sq.*
- wild, eaten by Guiana Indians 38: § 247.
- wild, of Great Plains 14: 528.
- See also* **Fruits**.

Fruit Forms

- eastern United States pottery 20: 35, 63.
- Florida Peninsula pottery 20: 118, 124, 127, 128.
- Middle Mississippi Valley pottery 20: 94 *sq.*

Fruit-grain Starch-flour 38: § 232.**Fruit Growing**

- by the Cherokee 19: 82, 112.
- by the East Cherokee 19: 176.

Fruit Shells

- preceramic use of, for vessels, by American aborigines 20: 25.
- suggestion of ornamental features by 20: 64.
- use of clay in protecting from fire 20: 49.

Fruits

- Guiana Indian feast of 30: 230.
- Guiana Indian origin of 30: 146 sq.
- preservation of 45: 484.
- used by the Chippewa 44: 321.

See also **Fruit**.

Fuegian stone-implement making 13: 140.**Fuel**

- driftwood used for 35: 181, 256, 281, 287, 296.
- how stored in Tusayan 8: 103.
- of kivas, where stored 8: 124.
- use of, in kivas 8: 121.
- use of, in pottery firing. 4: 495.

Fuen-leal Codex, monsters pictured in 16: 214.**Fuertes, E. A.**

- on Zoque numerals 19: 907.
- on Zoquean number names 19: 873.

Fuketcheeponota, cession of reserve at 18: 726.**Full Count**

- in Mayan face numerals, symbols for, discussion of 22, i: 210 sq., 211 sq., 214, 215.
- symbols for, figures showing 22, i: 216, 217.

Fuller, E. A.

- on meaning of *gu-lana* 16: 231.
- on meaning of *lu* 16: 264.
- on meaning of *na-gutchi* 16: 228.
- on Zapotec name for wine 16: 219.

Fullerton, Mr. and Mrs. 46: 31, 42.**Fullerton, M. A.**, report on Warm Springs reserve by 18: 946.**Fulotkee**, narrative obtained from 42: 68.**Fulton, R. L.**, petroglyphs described by 10: 92-95.**Fulton Mounds**, location of 37: 99.**Fumigation** after a death 45: 174.**Fun Hunter's Point Mound** 37: 99.**Function.** *See* **Uses**.**Funeral**

- ceremonies, Choctaw 1: 186.

Funeral—Continued

- ceremonies, Twanas and Clallams 1: 176.

- witnessed by Coronado 14: 519.

See also **Mortuary Customs**.

Funeral Customs

- articles buried with the dead 27: 363.

- Corsican 1: 147.

- foot-racing 27: 369.

- general description of 27: 591-594.

- gifts to chief's family 27: 205.

- in Shell society 27: 553 sq.

- moccasins on the dead (Omaha, Osage, Ponca) 27: 114, 358.

- painting the dead 27: 397.

- strangling of horses 27: 83.

See also **Burial Customs; Mortuary Customs; Mourning Customs**.

Funeral Observances of the Eskimo 18: 310-322.**Funeral Offerings.** *See* **Mortuary Pottery; Toy-like Objects**.**Funeral Rites.** *See* **Mortuary Customs**.**Funerary Practices**

- mention of 47: 248 sqq.

See also **Burial Customs**.

Fungus

- bad luck from 30: 214, 215, 361.

- mixed with tobacco by Eskimo 18: 271.

- use of 45: 501, 504.

Fungus-ash Bowls, Eskimo 18: 275-278.**Fuqua, J. Benjamin**, information furnished by 42: 852.**Fur-bearing Animals**, Eskimo seasons for hunting 18: 125 sq.**Fur Trade.** *See* **Commerce; Trade**.**Fur Traders**

- dependence of, on wild rice 19: 1101-1104.

- post established by 45: 359.

Furcation, ornamental effect produced by 41: 228.**Furnace**

- for cremation 1: 149.

See also **Kilns**.

Furniture

- dwellings and implements of the Omaha 13: XLIV, LIV, 263-288.

- of the Arapaho 14: 964.

- of the Eskimo 11: 228.

Furniture—Continued

- of the Guiana Indians 38: § 326.
- of the Menomini 14: 256.
- of the Paiute 14: 770.
- of the Pueblos, description of 8: 208-214.

Furs

- Eskimo classification of 11: 218.
- mention of 46: 91, 105.
- taken by Northern Indians 11: 177, 181.

Fürst, C. M. 46: 306, 312, 326, 333, 339, 359, 368.

Future of Yukon Indians 46: 133.

Future Life

- belief in 46: 418.
- conception of 42: 513, 514.
- Eskimo beliefs concerning 18: 422-425.
- ideas concerning 30: 149, 160-163.
- story explaining 31: 544 sq.
- See also* Soul.

Fuzzy-Weed, use of 33: 134.

G

Gaá-Bohón, treaty signed by, in 1867 17: 186.

Gaá-k'ódälte, death of 17: 280.

Gaápiatañ

- acknowledgment to 17: 147.
- age and position of 17: 163.
- house built for 17: 342.
- information furnished by 17: 146.
- in war party against Sauk and Fox 17: 302.
- portrait of 17: 234.
- Sarsi descent of 17: 160.

Gabaoosa, George

- aid rendered by 41: 32.
- Chippewa texts by 42: 12; 43: 5.

Gabrileños. *See* Tobikhar.

Gac

- mention of 26: 397.
- See also* Sanya.

Gadfly, infesting the reindeer 11: 295.

Gadómbítsoñhi, a Kiowa sacred image 17: 238, 239.

Gadsden, —, survey by 18: 705.

Gaelic myths 19: 468.

Gage, Sir Thomas, charter granted to 18: 550, 563.

Gageby, Capt. J. H., on box burial 1: 155.

Gagewin, Mrs. —, an informant 44: 324.

Gahéwa (*Gahéwă*; *Gâ-i-gwŭ*), a Kiowa synonym 14: 1078; 17: 148.

Gahige

- acknowledgment to 11: 362.
- cited as to creation myths 3: 229.
- cited as to origin of Buffalo people 3: 229.
- cited as to origin of red corn 3: 231.
- cited on primitive beliefs 11: 377, 420, 446.
- cited on tradition of the pipes 3: 222.

Ga-hi'-ge O-k'on, a tribal rite 36: 47, 59.

Gahi'ge to'ga, meaning of the term 27: 559.

Gahuni Manuscript of Cherokee formulas 7: 313, 314.

Gâ'-igwŭ, a division of the Kiowa 17: 228.

Gaillard, Maurice, Potawatomi grammar by 36: 29.

Gaillardia Aristata 45: 469, 509.

Gaines, A. S., thick-rimmed bowls in collection of 20: 112 sq.

Gaines, Lieut. E. Pendleton, mention of 42: 813.

Gaines, Gen. E. P., account of 42: 825.

Gaines, George S., work of, at St. Stephens 42: 824 sq.

Gaines's Trace

- mention of 42: 824-828.
- naming of 42: 825.
- route of 42: 827.

Gainesville, Fla., fragment of vase from near 20: 111.

Gaisberg, F. W. V., acknowledgment to 14: 655.

Gaitchaim, numbers of 19: 869-929.

Gaiwa, a Kiowa synonym 17: 148.

Gákiñâte, calendar record of house of 17: 352.

Galaxy

- Eskimo belief concerning 18: 449.
- Indian name for 42: 479.
- See also* Milky Way.

Galaxy Fraternity

- account of 30: 38.
- medicines used by 30: 48, 49, 52.
- Ne'wekwe*, of the Zuñi 23: 429-438.

- Galbraith, —**, pottery collected by 20: 165.
- Galbraith, F. G.**, assistance rendered by 2: 429, 432.
- Galdo, Juan**, missionary at Zuni 13: 329.
- Galena**
 mention of 46: 50, 51, 52.
 pieces of, used in sacrifices 9: 549.
 powdered, ceremonial use of, by Indians 9: 548 *sq.*
 specimen of, from Chaves Pass 22, i: 111.
- Galeras, Juan**, exploration of Colorado River canyons by 14: 489.
- Gales of Seri waters** 17: 47 *sqq.*
- Galiano, D. A.**, on the Eslen and Runsién 7: 75, 76.
- Galibi Indians**
 belief of, as to God 30: 117.
 belief of, as to spirits 30: 164, 169.
 courtship among the 30: 313 *sq.*
 green stones 30: 291.
 medicine-men of the 30: 349 *sq.*
 natal customs of the 30: 320, 321.
 natives of South America, appointment notices of 10: 257.
 sickness among the 30: 349 *sq.*
- Galice (Galeese) Creek Indians**, synonyms for 18: 797.
- Galicia, New Kingdom of**, in New Spain 14: 473.
- Galindo, Luis**, chief justice for New Galicia 14: 351.
- Galisteo**
 mention of, by Jaramillo 14: 587.
 pueblo of 14: 523, 525.
- Galisteo Indians**, data on 29: 483 *sq.*
- Galium Trifolium**
 human transportation of 33: 59.
 mention of 33: 115.
- Galiuro Range**, field work in 22, i: XIII.
- Gall, Dr. A. F.**, mention of 46: 219, 231.
- Gallagher, Agent —**
 arrest of Sioux delegates by 14: 820.
 Ghost dance stopped by 14: 847.
 on reduction of Sioux rations 14: 845.
 Selwyn's report to 14: 798, 799.
- Gallagher, W. D.**, commissioner for Cherokee boundary 5: 365.
- Galland, Isaac**, reference to 40: 502, 546.
- Gallardo, José**, on Seri language 17: 78.
- Gallatin, Dr. Albert**
 as an authority 27: 605.
 Attacapan researches of 7: 57.
 Chimmesyan researches of 7: 64.
 cited 12: 718.
 comparison of Iroquois and Cherokee by 7: 77.
 founder of systematic American philology 7: 9, 10.
 linguistic literature of 7: 12, 15, 16, 17.
 linguistic map of 7: 142.
 linguistic material of 30: 18.
 mention of 46: 332, 333, 340, 351.
 mention of classification of Indian languages by 6: XLIV.
 on Cherokee linguistic relationship 19: 16.
 on Cherokee syllabary 19: 219, 220.
 on Chilili 29: 531.
 on De Soto's route 19: 193, 198.
 on Eskimauan boundaries 7: 72.
 on Indian names 4: 98.
 on Jemez 29: 402.
 on Laguna 29: 541.
 on Na'htchi habitat 7: 96.
 on number names from San Antonio, Texas 19: 881.
 on Pogueate 29: 539.
 on Taos 29: 182.
 on the Caddo and Pawnee 7: 59.
 on the Chitimachan family 7: 66.
 on the Kiowa language 7: 84.
 on the Koluschan family 7: 86.
 on the Muskogean family 7: 94.
 on the Shoshonean family 7: 108.
 on the Siouan family 7: 111.
 on the Yuchi habitat 7: 126.
 on Tonika language 7: 125.
 on Yuqueyunque 7: 227.
 Pima words published by 26: 269.
 reference to "Sahaptin" family 7: 107.
 Salishan researches of 7: 102, 103.
 Skittagetan researches of 7: 119, 120.
 theory advanced by 12: 611.

- Gallaudet, Pres. E. M.**, test of Utes in signs 1: 321, 323.
- Gallaudet, Pres. T. H.**, on facial expression 1: 271.
- Gallegas, —**
 on Jemez 29: 402.
 on Pogueate 29: 539.
 on San Felipe 29: 500.
- Gallego, Jose Rafael**, references to 29: 132, 133.
- Gallego, Juan**
 companion of Coronado 14: 477.
 feats of 14: 540.
 in Corazones 14: 484.
 meeting of, with Coronado on his return 14: 537.
 messenger from Coronado to Mendoza 14: 392, 394.
 messenger from Mexico to Coronado 14: 533, 534.
- Gallegos Expedition**, mention of 47: 204.
- Gallinule**, Cherokee name for 19: 284.
- Gallup, N. Mex.**, archeological reconnaissance of 38: p. 2.
- Gallus Domesticus**. *See* Poultry.
- Galphin, George**, establishment of trading post by 19: 193.
- Galtneys**, pottery labeled 20: 102, 103.
- Galûñ'lăti**, myths concerning 19: 231, 239, 240, 452.
- Galvano, Antonio**
 on Acoma 29: 543.
 on Pecos 29: 476.
 on Quivira 29: 565.
- Gama, Antonio**, on Mayan calendar periods 19: 675.
- Gambell** 46: 91, 210.
- Gambling**
 account of 27: 366, 367 sq., 451.
 among American Indians 19: LXVIII sq., 434, 465.
 among the Choctaw, etc. 42: 707.
 among the Eskimo 9: 364 sq.; 11: 178; 18: 331.
 among the Menomini 14: 241.
 among the Pima 26: 174.
 among the Tlingit 26: 444.
 among the Tsimshian 31: 409 sq.
 among women 46: 569 sq.
 games used for 46: 567-570.
 in Pima mythology 26: 219.
- Gambling—Continued**
 infatuation for 46: 567.
 losses in 46: 569.
 painting face to secure luck in 31: 409.
 wagers of horses 37: 384.
 See also Betting; Dice Games; Moccasin Game.
- Gambling Implements**, collection of 3: 581.
- Gambling Song of the Paiute** 14: 1009.
- Gambold, Rev. J.**, Cherokee missionary 19: 84.
- Game (animal)**
 abundance of 46: 460.
 as food, importance to Eskimo of 18: 24.
 as tribute to chief 35: 1338.
 belief concerning 34: 222.
 discussion of diminution of 46: 460-464.
 distribution of 42: 445.
 division of 45: 162.
 division of, after hunt 46: 456, 531, 533 sq., 539.
 driving of 45: 242 sq., 348.
 Eskimo customs relating to 18: 307 sq.
 hunter should not eat first killed 32: 201.
 hunting of 45: 242-246; 47: 211.
 in Menomini region 14: LIV, 272.
 in Pueblo region 14: 518, 521, 560.
 killed by blind man 32: 549.
 laws regarding 46: 455 sq.
 method of surrounding 45: 348.
 of the Upper Missouri 46: 410 sq.
 prevalence of 45: 96 sq.
 restoration of, predicted by Indians 14: 787, 788, 797.
 restrictions on 30: 292.
 Seri method of killing 17: 196*-205*.
 smelled to decide which arrow killed it 31: 403.
 spirits of, danger from 30: 292 sqq.
 transportation of 30: 294 sq.
 varieties of 45: 242.
 Zuñi process of securing 23: 439, 440.
 See also Buffalo; Hunting; Hunting Ritual; Rabbit Hunt; and names of various game animals.

Game Dances 45: 192.

Game Laws of California tribes 7: 42.

Game of Little Bones. *See* **Game of the Dish.**

Game of Straw

Algonkin 24: 229.

Miami 24: 231.

Game of the Dish, dice game, Algonkin 24: 49.

Game of Winged Bones 24: 418.

Game-sticks, reference to, in Ghost song 14: 1007.

Game-wheel

in Ghost dance 14: 916.

in Sioux ceremony 14: 823.

Games

aboriginal 23: xxiv.

awl, of Plains tribes 14: 1002 *sqq.*

ball game 27: 197 *sq.*

băti'qtûba, of the Arapaho 14: 994, 1007.

between men and women 42: 555.

burial 1: 195.

cup and ball 37: 122.

dice, women's 37: 122.

different kinds of, among the Tsimshian 31: 409 note.

discussion of 19: LXVIII *sq.*

dó-á, of the Kiowa 17: 347 *sq.*

football 37: 121.

for boys 42: 470.

general description of 24: *passim*; 27: 363-369.

heads wagered on results of 32: 352, 353, 373, 447, 449.

Indians addicted to 44: 242.

kicking 37: 121.

lacrosse 37: 120 *sq.*, 190.

legend of hoop-and-buffalo game 27: 148 *sq.*

mention of 42: 456-470, 706 *sq.*; 47: 138 *sq.*, 239 *sqq.*

moccasin 37: 121 *sq.*; 42: 469.

new games introduced 27: 620.

of hunt-the-button 14: 1008 *sq.*

of the Antilleans 25: 84 *sq.*

of the Arapaho 14: 962.

of the Chickasaw 44: 242 *sqq.*

of the Coeur d'Alène 45: 130-135.

of the Eskimo 9: 364; 18: 297, 330-339.

of the Haida 26: 445.

of the Indians 46: 565 *sq.*

Games—Continued

of the Maricopa 26: 55, 56.

of the Menomini 14: 241-247.

of the Okanagan 45: 260 *sq.*

of the Papago 26: 175.

of the Pima 26: 55, 56, 63, 174-181, 297 *sqq.*

of the Seri 17: 10.

of the Siouan Indians 15: 175.

of the Winnebago 37: 120-123.

of the Zuñi 23: 328-333, 333-341, 342 *sq.*, 344, 345, 346, 347 *sq.*, 348, 349.

Pima, in mythology 26: 221, 231, 233, 235 *sqq.*

pictured 10: 547-550.

played at adoption feast 40: 359, 361, 385.

played at wake 37: 145, 153.

played by rain priests for rain 23: 332.

played by women 42: 468.

played on bear skin 42: 468 *sq.*

played with dice 41: 604.

preparation of memoir on 15: XLI, XLIV.

primitive 11: 60, 178, 255, 323.

primitive, study of 16: LXXV.

resemblance of spindle whorls to pottery used in 20: 33.

"rolling a stone" 42: 469 *sq.*

separation of clans in 42: 165 *sq.*

significance of 15: LXXXVI.

study of 15: XXX, XXXIV, XXXVIII, XLVIII, LXI.

symbolism of, at adoption feast 40: 363, 429.

Tewa, studied by Mrs. M. C. Stevenson 31: 14.

Tlingit 26: 443 *sqq.*

tree 37: 123.

use of pottery in, eastern United States 20: 25, 43.

use of pottery in, Iroquoian province 20: 170.

use of pottery in, Middle Mississippi Valley 20: 83.

use of pottery in, South Appalachian province 20: 131, 141 *sq.*

See also **Amusements**; and names of various games.

Games, Sports and Amusements of the Guiana Indians 38: p. 470-550 (Chaps. xxiii, xxiv).

- Games of American Indians.** *See* Indian Games.
- Games of Chance**
 general description of 24: 31, 44.
See also Dice Games; Stick Games; etc.
- Games of Dexterity**
 description of 24: 31, 383, 791.
See also Archery; Hoop-and-Pole; Snow-snake.
- Games of Javelins**
 of the Seneca 24: 476.
 of the Sioux 24: 418.
- Gaming**
 fondness for 42: 456, 457.
 ring of Navaho ceremonial 8: 238.
- Gaming Canes**
 design of, on food bowl from Shumopavi, cut showing 22, i: 118.
 design of, on food bowl from Cheylon, cut showing 22, i: 101.
- Ga'na'**, legend of 19: 367-370, 492 sqq.
- Ganamucho**, former Navaho chief 17: 478.
- Gānaxa'dī**, *Tlingit* clan
 crests 26: 416, 417, 418.
 history 26: 408, 414.
 names 26: 422.
 phratry and tribe 26: 398, 399, 400.
 contributor to Bureau 48: 1189.
 social rank 26: 427.
- Gānaxte'dī.** *See* Gānaxa'dī
- Gandia, Zeno**, on Porto Rican archeology 25: 86.
- Gane**, —, collection by 19: xxix.
- Gane, H. S.**, work of 18: xxix.
- Ganha'da**, story of 31: 285.
- Gann, Thomas**
 bulletin by 39: 24.
 contributor to Bureau 48: 1189.
 memoir by 19: xli sq.
 mounds in northern Honduras, by 19: 655-692.
 papers by 37: 27; 40: 17.
- Gannett, Henry**
 mounds surveyed by 13: xxix.
 on Bald Mountain 29: 125.
 on Jicarita Mountain 29: 339.
 on Mount Taylor 29: 545.
 on San Juan 29: 215.
 on Tecolote Mountain 29: 555.
 survey of Ohio circles by 12: 566.
- Gannt, S.**, Menomini treaty commissioner 14: 21.
- Ganogwioeofi**, legend of 19: 359-362.
- Gansē'ti**
 mention of 19: 387.
See also Rattling-Gourd.
- Gaotlā'k-ān**, Tlingit clan 26: 397, 412, 413.
- Gap-in-the-Woods.** *See* Howia.
- Gapbson, Charles**, inclosure on farm of, New York 12: 508.
- Gapo** 38: § 204.
- Garay, Francisco de**, expedition of 25: 274.
- Garaycochea, Juan**
 Awatobi visited by 17: 600.
 missionary labors of 17: 601.
- Garber, Clark M.** 46: 94, 197, 201.
- Garcés, Father Francisco**
 account of Casa Grande by 28: 57 sq.
 labors of 26: 28 sq.
 on character of Pima 26: 165.
 on crops of Yuma 26: 91.
 on location of Moqui (Hopi) 19: 599.
 on Moqui (Hopi) 19: 598.
 on origin of Hopi 26: 26.
 on origin of Pima 26: 26.
 on Pima agriculture 26: 87.
 on Pima religious ideas 26: 252.
 on Pima saguaro feast 26: 72
 on Taos 29: 183.
 on the matalote 26: 83.
 on the Yavapai 26: 200.
 reference to 28: 37, 63, 186.
 route of 28: 207.
 visits of, to Pima 26: 29 sq.
- Garcia, Andres**, on effect of Marcos' report 14: 365.
- Garcia, Bartolomé**, cited 7: 68.
- Garcia Icazbalceta.** *See* Icazbalceta.
- Garcia, J. L.**, translation by, of paper by Poey 34: 181.
- Garcilasso de la Vega**
 cited 42: 684.
 on De Soto's expedition 19: 23-27, 191-201.
 on Indian mounds 5: 95, 96.
- Gardeau**, reservation at 18: 658.
- Garden**
 of physic maker 42: 444.
 walls, how constructed 8: 146.
See also Gardens.

- Garden-bed**, Kwakiutl 35: 186, 187, 189, 190, 191.
- Garden-beds**
 of Michigan and Wisconsin 12: 33, 550.
 of Wisconsin, description of 37: 103.
- Garden Island**, reservation of 18: 810.
- Garden Rock**, Asheville, N. C. 10: 99.
- Gardening** taught to girls 40: 299.
- Gardens**
 and corrals of the Pueblos 8: 214-217.
 and garden walls 8: 215 *sqq.*
 community 42: 443 *sq.*
 modern, at Sikyatki 17: 646.
 of cavate villages 13: 224.
 terraced, of Pueblo Indians, features of 22, i: 177 *sq.*
 See also Garden.
- Gardiner**, —, on cause of Sioux outbreak 14: 840.
- Gardner**, —, cited on Mohammedanism 14: 931.
- Gardner**, Dr. W., theory of scaffold burial of 1: 167.
- Garfish**
 town emblem of Alabama 42: 244.
 town emblem of Koasati 42: 243.
- Garfish Dance**
 mention of 42: 523.
 of Koasati, description of 42: 531 *sq.*
 of the Alabama 42: 531.
 of the Mikasuki 42: 531.
- Garlands** in Shaker ceremony 14: 761.
- Garlic[k]**, C. A.
 cooperation of, in repair of Casa Grande 15: 327.
 field work of 6: xxix.
- Garlington**, Lieut. E. A., wounded at Wounded Knee 14: 871.
- Garnets** found at Cibola by Coronado 14: 559.
- Garrard**, Lewis H., on Taos 29: 182.
- Garrison**, G. P., annotation of Morfi's History of Texas by 23: xli.
- Garry**, head chief of Spokane 45: 378.
- Garters** of the Menomini 14: 269.
- Gaspé Peninsula**, reference to 28: 290.
- Gaspeian Indians**, defeat of, by the Iroquois 20: 167.
- Gaston**, Oreg.
 petroglyphs near 10: 105.
 rock etchings at 4: 25.
- Gataea**, a Kiowa Apache synonym 17: 245, 248.
- Gáta'ka**, a Kiowa Apache synonym 17: 245.
- Ga'taqka**, a Pawnee name of the Kiowa Apache 14: 1081.
- Gatayûstî Game**
 myths concerning 19: 258 *sq.*, 310, 311-315, 464.
 of the Cherokee 19: 434.
- Gates**, Dr. Merrill E., acknowledgment to 29: 12.
- Gates**, Sir Thomas, charter granted to 18: 529.
- Gateway**
 at Awatobi 8: 49.
 jambs at Kin-tiel, finish of 8: 181.
- Gateways**
 and covered passages, description of 8: 180 *sqq.*
 of corrals 8: 214.
 probable existence in Kin-tiel of 8: 93.
- Gatherers-in-the-Water Disease**, symptoms and treatment of 42: 644 *sq.*
- Gathering Wild Rice**, mechanical means employed in 19: 1064.
- Gathí'ni**, Tlingit town 26: 397.
- Gati'demo'thi'**, a Ponca magician 27: 491, 492.
- Gatigwanasti Manuscript** of Cherokee formulas 7: 312, 313.
- Gatsalghi**, Kiowa Apache name of the Cheyenne 14: 1023.
- Gatschet**, Dr. Albert Samuel
 acknowledgment to 7: 142.
 Algonquian linguistic researches of 23: xxxvi.
 Attacapan researches of 7: 57.
 Beothukan researches of 7: 57.
 Catawba linguistic work by 15: 159, 244.
 Catawba studies of 7: 112.
 Chimakuan researches of 7: 62.
 Chitimachan researches of 7: 67.
 cited 12: 718, 721.
 cited on symbolic colors 11: 532.

- Gatschet, Dr. Albert Samuel—Con.**
 classification of Serian family by 17: 102.
 classification of Tonkawan as a distinct stock by 7: 125.
 Coahuiltecan researches of 7: 68.
 comparison of Caddoan and Adaizan languages by 7: 46.
 contributor to Bureau 48: 1189.
 death of 28: 21.
 discovery of radical affinity between Wakashan and Salishan families by 7: 104.
 distinguishes the Kushan as a distinct stock 7: 89.
 field work by 20: xi.
 information obtained through 42: 225.
 Kasihta legend recorded by 42: 55-63.
 Kiowa vocabulary collected by 17: 389.
 Klamath studies of 5: xxxii.
 linguistic and general researches among the Klamaths by 1: 19.
 linguistic field work of 6: xxxiii-xxxvi.
 linguistic investigations of 23: xviii.
 linguistic literature of 7: 23, 24.
 linguistic material of 30: 18, 21.
 linguistic researches of 14: xl; 21: xi, xxiv.
 linguistic work of 28: 12; 29: 23.
 list of months made by 42: 401.
 material collected by 24: 78, 332; 31: 11.
 mention of 42: 40.
 Micmac forms from 28: 285, 287 sq.
 Muklasálgi recorded by 42: 118.
 Mutson investigations of 7: 70.
 names collected by 42: 100.
 names from notes of 42: 99.
 names interpreted by 42: 106 sq.
 names translated by 42: 34.
 Nawphawpe River identified by 42: 39.
 obituary of 48: 1221.
 office work of 6: xlviii; 20: xx sq.; 22, i: xxxii.
 on absence of clans among the Klamath 17: 227.
 on Acoma 29: 542.
 on Akal'man number names 19: 874.
- Gatschet, Dr. Albert Samuel—Con.**
 on Alabama migration 19: 99.
 on Astialakwá 29: 396.
 on Col. Benjamin Hawkins 19: 212.
 on Biloxi linguistic affinities 19: 500.
 on Biloxi-Siouan affinity 15: 159.
 on cardinal colors 29: 42.
 on Catawba linguistic affinity 19: 498.
 on Catawba name for Cherokee 19: 16.
 on Cherokee relations with Choctaw 19: 390.
 on Chickasaw 19: 500.
 on Cochiti 29: 439.
 on Creek genesis legend 19: 229.
 on Creek Towns 19: 199, 201.
 on Creeks 19: 499.
 on dice game, Micmac 24: 78.
 on dice game, Skushash 24: 137.
 on double ball, Klamath 24: 659.
 on double ball, Wintun 24: 658.
 on early Yuchi habitat 7: 127.
 on etymology of Tecumtha 14: 682.
 on European games, Micmac 24: 792.
 on four-stick game, Klamath 24: 331, 332.
 on Hichitee deer songs 19: 435.
 on Indian customs 4: 25, 51, 63, 183.
 on Isleta 29: 528.
 on Jemez 29: 400, 401, 403.
 on Kauvuya number names 19: 868.
 on Klamath and Modoc chronology 17: 372.
 on Koasati migration 19: 99.
 on Laguna 29: 539, 540, 541.
 on linguistic evidence of migration 15: 199.
 on Mobilian trade language 19: 187.
 on Nambé Pueblo 29: 359.
 on name Cofitachiqui 19: 193.
 on name for swing, Wichita 24: 730.
 on name of Cibola 14: 517.
 on name of dice game, Nipissing 24: 81.
 on names for stilts, Wichita 24: 731.

Gatschet, Dr. Albert Samuel—Con.
on names of dice games, Yuma 24: 210.

on Ottawa forms 28: 261, 262, 266.

on Pacific Coast tribes 7: 54.

on Patoqua 29: 397.

on Peoria forms 28: 239, 245, 260, 270, 271.

on Picuris 29: 193.

on Pima linguistic stock 26: 20.

on Pinart's visit to Seri 17: 106.

on Pojoaque 29: 335.

on quoits, Micmac 24: 722.

on relationship of Ojibwa, Ottawa and Potawatomi 28: 262.

on ring and pin, Passamaquoddy 24: 541.

on sacred fire 19: 503.

on San Juan 29: 212.

on Sandia 29: 525, 526.

on Shawnee forms 28: 239, 254.

on shinny terms, Wichita 24: 626.

on Shoshone number names 19: 869, 870.

on Shoshonean numerals 19: 923.

on Taos 29: 181, 182.

on Taos Mountains 29: 175.

on Taskigi among Creeks 19: 389.

on the derivation of "Chitimacha" 7: 66.

on the derivation of "Palaihni" 7: 97.

on the derivation of "Taño" 7: 122.

on the derivation of "Wailatpu" 7: 127.

on the habitat of the Yamasí 7: 95.

on the Kitunahan family 7: 85.

on the name Tushipa 14: 731.

on the Pima language 7: 99.

on the Sayúsklan language 7: 134.

on the Taensa language 7: 96.

on use of colors by the Pueblos 10: 624.

on Yuchi myths 19: 421.

Passamaquoddy forms from 28: 280, 282, 285.

Peoria grammar and vocabulary of 23: xxxvi.

petroglyphs reported by 10: 105.

Potawatomi form from 28: 262.

references to 28: 238, 257, 287; 42: 31, 185.

Gatschet, Dr. Albert Samuel—Con.
report by, on coloring matter used by Klamath Indians 10: 221.

researches by 11: xxxii; 16: xxi, xxiv, xxviii, xxxii, xxxvii, xxxix, xli, xlv, xlix, lii, lviii, lxxiii, lxxiv.

surviving Biloxi found by 7: 114.

terms of relationship recorded by 42: 91.

Tonikan researches of 7: 125.

translation by, of Creek migration legend 42: 34-38.

Washoan language separated by 7: 131.

Wishoshkan researches of 7: 133.

work of 2: xxi; 3: xxv; 7: xxxiv; 8: xx, xxi, xxviii; 9: xxxvi; 10: xvii, xix; 13: xxvi, xxxiv, xl; 15: xxiii, xxvi, xxxi, xxxv, xxxix, xli, xliii, xliv, xlix, xlvii, liii, lvii, lxi, lxiv, lxvii, lxxix, lxxxii; 17: liii; 18: xxviii, xliii, xliv; 19: xvii sq., xxv; 24: xx, xxxii; 25: xix; 26: xix.

Gatschet, Mrs. Louisa H., vocabularies restored by 34: 31.

Gat'si, successor to the cacique 47: 45.

Ga-tsiu' Gens 36: 101 sq.

Gattacka, a Kiowa Apache synonym 14: 1081; 17: 245.

Gatu. See **K'at**.

Gatûñ'wa'li. See **Hard-mush**.

Gauges, net-making, Eskimo 18: 190 sq.

Gaultheria Procombens.

beverage made from 44: 317.

medicinal constituents of 44: 304.

medicinal properties of 44: 301.

use of 44: 289, 307.

Gaultheria Shallon 45: 485, 490.

Gauntlet Running, Indian custom of 19: 490.

Gau'ō 31: 297.

Gauthier Family, pipe presented to 14: 248.

Gaw, —, acknowledgment to 25: 235.

Ga'wunēhāna, an Arapaho division 14: 957.

Gawunē'na, an Arapaho division 14: 957.

- Gay, l'Abbé Jo. Pedro**, manuscript of 41: 16.
- Gayarré**, — on Natchez among Cherokee 19: 386.
- Gecko**, beliefs concerning 30: 369.
- Geese**
 Eskimo method of killing 18: 134.
 in Menomini myth 14: 204.
 in Pueblo region 14: 521.
See also **Goose**.
- Geikie, Sir James** 46: 332, 333.
- Geist, O. W.** 46: 167.
- Gemelli Carreri**
 as to Mexican calendars 3: 42 *sqq.*
 as to symbols for cardinal points 3: 47, 49, 50, 54, 55.
- Gender**
 in Indian languages 1: 9.
 in sign language 1: 366.
- Genealogies** 33: 308, 309, 313, 627, 629, 642, 652.
- Genealogy**
 Isleta 47: 461 *sq.*
 of Menomini chiefs 14: 44-60.
 of Okanagan chiefs 45: 263-275.
 of Okanagan individuals 45: 275 *sq.*
- General Atkinson Mounds**
 form of 37: 100.
 location of 37: 99.
 number of 37: 100.
- General Council**
 beginning of 42: 321.
 ceremony of opening and closing 42: 319.
 description of, by Eakins 42: 318 *sqq.*
 time for holding 42: 313.
 towns attending 42: 321 *sq.*
- General Slocum**, excursion steamer, reference to burning of 43: 237.
- Genesee**, treaties of 18: 658, 660.
- Genesis**
 among northern Indians 11: 261, 336.
 Creek legend of 19: 229.
 of philosophy 1: 19.
 of the Abnaki 14: 87.
 of the Eskimo, account of 18: 425 *sqq.*, 452-462, 482 *sq.*
 of the Kiowa 17: 152 *sqq.*
 of the Menomini 14: 87, 113.
 of the Navaho 17: 488.
 of the Zuñi 13: 379.
See also **Cosmogony**.
- Genesis Myth**
 of the Iroquois, explanation of 32: 63.
 of the Jicarilla Apache 24: 345.
 of the Paiute 14: 1050.
 of the Tusayan 8: 16.
See also **Cosmogonic Myths; Sacred Myths**.
- Geneskelos**, decorator of great canoe for Centennial Exposition 4: 72.
- Geneva Picture Rock, Penn.** 10: 111.
- Genii**, masks made by Eskimo to represent 18: 394.
- Genipa Americana**
 cultivation of 38: § 246.
 for body painting 38: § 512, 855.
 for hammock staining 38: § 478.
 for tattooing 38: § 510.
 red pigment from 38: § 28.
 seeds of, used as bait 38: § 188.
- Genizaros**, meaning of the term 29: 137.
- Genonsgwa.** *See* **Stone Coats**.
- Gens**
 definition of 1: 59; 15: civ, 213; 20: civ.
 features of 19: XLIX, L.
 organization of 17: XXXIII *sq.*
 the Catada 3: 236-241.
 the Deerhead 3: 245 *sqq.*
 the Elk 3: 225-228.
 the Hañga 3: 233-236.
 the Ictasanda 3: 248-251.
 the Igñee-jide 3: 247.
 the Kansas 3: 241.
 the Mañiñka-gaxe 3: 242, 243.
 the Le-sinde 3: 244.
- Gens des Canots**, an Assiniboin band 46: 430.
- Gens des Filles**, an Assiniboin band 46: 30.
- Gens des Roches**, an Assiniboin band 46: 430.
- Gens du Gauche**, an Assiniboin band 46: 430.
- Gens du Lac**
 an Assiniboin band 46: 430.
 habitat of the 7: 111.
- Gens du Nord**, an Assiniboin band 46: 430.
- Gens Festival**
 chief feast of, after third dance 40: 107.

Gens Festival—Continued

- combined with adoption feast 40: 357.
- explanation of the term 40: 71.
- in combination with mortuary rites 40: 397, 421.
- seating arrangement of 40: 515 *sqq.*
- suspended in case of death 40: 357.

Gentes

- aggregation of, in villages 13: 195.
- child blessed by 43: 71 *sq.*
- description of 11: 534, 536, 542
- discussion of names of 37: 182.
- distribution to, of fees 43: 68.
- exchange of positions of 39: 100.
- festivals 40: 71.
- general discussion of (Omaha and cognates) 27: 38, 135, 137, 195 *sq.*, 211.
- govern use of tobacco 40: 372.
- groups of, organized for defensive purposes 36: 53.
- indicated by cut of hair 27: 198.
- list of 36: 52 *sq.*, 84; 40: 501 *sq.*
- list of, taking part in ceremony 43: 33, 39 *sq.*, 45, 59 *sq.*
- movements of 36: 60.
- names of 39: 84.
- of the Eskimo 18: LIV, 322-325.
- of the Ho^{n'}-ga Great Division 36: 52.
- of the Ho^{n'}-ga subdivision 36: 52 *sq.*
- of the Mdewakaⁿtoⁿwaⁿ 15: 215.
- of the Pima 26: 197.
- of the Tsi-zhu Great Division 36: 53.
- of Tusayan, grouping of houses by 8: 24.
- of Tusayan, land apportionment by 8: 29.
- of Tusayan, list of traditionary 8: 38.
- of Tusayan, localization of 8: 104-108.
- owning the wa-xo'-be 36: 65.
- places of, in the lodge 43: 36.
- rain 39: 230, 351-355.
- seating arrangement of 40: 515 *sqq.*
- Unalit terms relating to 18: 322.
- wailing songs of 40: 358.
- wi'-gi-es recited by 43: 68.

Gentes—Continued

- See also* Clans; Gens; and names of tribes and gentes.
- Gentian 33: 109.
- Gentianaceae 33: 109.
- Gentile and Clan Designations 10: 388-391.
- Gentile Assembly
 - of the Inkesabé 15: 227.
 - of the Omaha 3: 362.
- Gentile Designation 4: 167.
- Gentile Marks, absence of, on Omaha arrows 13: 287.
- Gentile Organization
 - mention of 36: 51 *sq.*
 - not affected by division of tribe 36: 45.
- Gentile System
 - of the Omaha 3: 215, 219-251.
 - of the Siouan Indians 15: 177, 187.
 - See also* Clan.
- Gentile Tribes
 - government of 20: CIV-CXI.
 - religion of 20: CIX.
- Gentle Manitou, reference to 40: 133, 221, 233, 239, 271, 273, 405.
- Gentleman of Elvas
 - cited 12: 619, 620, 647, 648, 649, 667, 721.
 - See also* Elvas.
- Gentleman's Magazine, on Cherokee war of 1760-1761 19: 45.
- Geodetic Survey (U. S. A.) 46: 139.
- Geographic Distribution
 - of masks 3: 98-120.
 - of peoples, value of pottery in study of 20: 18, 19, 21 *sq.*
 - of stone implements 15: 20.
- Geographic Features of range of Western Eskimo 18: 23 *sq.*
- Geographic Grouping of eastern United States pottery 20: 21 *sqq.*
- Geographic Names 43: 253-259.
- Geographic Nomenclature, influence of wild rice on 19: 1115-1126.
- Geographic Pictographs 4: 157.
- Geographical Results of Coronado expedition 14: 403.
- Geographical Terms
 - list of 29: 70 *sqq.*
 - note on 29: 37 *sq.*
 - See also* Place Names.

Geography

- Eskimo knowledge of 6: 643-647.
of the cliff ruin region 16: 82.

Geologic Distribution of stone 15: 135.

Geologic Phenomena, Indian tradition concerning 14: 722.

Geological Forms, spirits connected with 30: 235 *sqq.*

Geological Survey (U. S. A.)
acknowledgments to 19: 12.
mention of 46: 128, 139.

Geology

- of the cliff ruin region 16: 82, 86.
of the Sonoran province 17: 26, 30 *sq.*
of the southwest region 13: LI.
of the West Indies 34: 266 *sqq.*

Geology and Art

- mention of 15: 137.
of Anacostia Valley 15: 69.
of Dumbarton Heights 15: 63.
of Piny Branch quarry sites 15: 37.
of Potomac-Chesapeake province 15: 22, 146.
of workshop sites 15: 31.

Geometric Designs

- on pottery from Pueblo ruins, character of 22, i: 83 *sqq.*, 150 *sqq.*
on pottery from Pueblo ruins, figures showing 22, i: 83, 84, 85, 155.
on pottery from Pueblo ruins, preponderance of 22, i: 69.
practically absent among the Tsimshian 31: 56.
relations of, to textile ornament 6: 202-244.

Geometric Figures

- names for 41: 402-411.
on Sikyatki pottery 17: 701-705.

Geometric Forms

- and their interpretation 41: 304-330.

See also Designs (geometric).

Geonoma Baculifera. *See Dalibana.*

Geoprumon Crassicaupum 33: 91.

George II, charter granted by 18: 634.

George III, proclamation concerning purchase from Indians issued by 18: 633 *sq.*

George Connet Mound, Athens County, Ohio, description of 5: 47, 48.

George River, description of 11: 169.

Georgia

aboriginal steatite quarrying in 15: 106.

agreement between Federal Government and, in 1802 19: 114.

archeologic work in 8: XIX.

arrest of John Ross by 19: 122.

banner-stones from 13: 122, 123.

Barton County, ancient works of 12: 292-314.

boat-shape stones from 13: 124, 125.

bunts from 13: 168, 169.

celts from 13: 74, 75, 76, 77, 78, 79, 82.

character of pottery of 20: 147.

Cherokee share in manufacture of pottery of 20: 143 *sq.*

chipped flints from 13: 145, 146, 147, 148, 149, 174, 175, 176.

chisels from 13: 84.

cones from 13: 113.

decoration in color of pottery of 20: 67.

Delaware Valley decoration resembling that of 20: 177 *sq.*

discoidal stones from 13: 100, 101, 102, 104, 105, 106, 108, 109.

distribution of stone art in 13: 61.

Elbert County, mound exploration in 12: 315, 316.

expedition from, in 1776 19: 50.

explorations in 11: xxv; 12: 292-326.

extension of laws of, over Cherokee 19: 221.

fabrics from 13: 36.

gorgets from 13: 119, 120.

grooved axes from 13: 65, 67, 68, 69.

grooved stones from 13: 95.

Habersham County, mound in 12: 313.

hostility of, to Van Buren's compromise in Cherokee affairs 5: 290.

intended campaign of, against Creeks and Chickamauga 19: 65.

Georgia—Continued

- intermingling of wares in 20: 137 *sqq.*
- local legends of 19: 415-419.
- mortuary customs in 20: 106, 120.
- mound exploration in 5: xxi, xxii.
- muller from, described and figured 13: 93.
- notched ax-form object from 13: 71, 72.
- occurrence of human heads stamped on copper in 20: 138.
- occurrence of Middle Mississippi Valley pottery in 20: 80 *sq.*
- occurrence of stamped ware throughout 20: 135.
- opposition to allotment project by 19: 114.
- part taken by, in Cherokee removal 19: 114-120, 129, 140.
- perforated stones from 13: 98.
- pestles from, described and figured 13: 89.
- petroglyphs in 10: 76.
- pipes from 13: 132; 20: 99.
- plummets from 13: 112.
- policy of, toward Indians 18: 634-639.
- pottery of 20: 38, 41, 106, 112, 131, 136, 137, 140.
- pressure for land cessions by 19: 114 *sq.*
- production of gold in 19: 220, 221.
- protest against conditions of Hope-well treaty by 5: 155; 19: 61.
- raid by citizens of 19: 71.
- refusal of, to submit to decision of Supreme Court respecting Cherokee 5: 266.
- remains of matting from 13: 36.
- Removal forts in 19: 221.
- resemblance of northwestern pottery to that of 20: 189.
- Richmond County, Hollywood Mound 12:
 - copper disk from 324.
 - copper plate (figured) from 320.
 - drawing knife from 320.
 - European pottery from 321.
 - image pipes from 323, 325.
 - iron nails from 319, 320.
 - mention of 317.
 - painted vessel from 322.
 - porcelain from 326.

Georgia—Continued

- Richmond County, Hollywood Mound 12—Continued
 - pot bearing serpent figure from 324.
 - shell vessel from 324, 325
 - tripod vessel from 322.
- scrapers from 13: 84.
- sinkers from 13: 97.
- stemless perforators from 13: 165, 166.
- stemless scrapers from 13: 170.
- stemmed flints from 13: 151-163.
- stemmed perforators from 13: 167, 168.
- stemmed scrapers from 13: 169.
- stone axes from Savannah 13: 64.
- stone implements from, Steiner collection of, purchase of 22, i: xxxix.
- stone tubes from 13: 128.
- Supreme Court decision in Cherokee Nation *v.* Georgia 5: 262.
- Supreme Court decision in Worcester *v.* Georgia 5: 264.
- tribes formerly occupying 20: 142.
- United States action by, regarding Cherokee 5: 234, 236.
- United States agree to extinguish Indian title in 5: 233.
- view of, as to Indian title 5: 241.
- work in 7: xviii.
- Georgia and United States**, measures of, to remove Indians 5: 260.
- Georgia Indians**, textile fabrics of 13: 17.
- Georgia State Historical Society**, acknowledgments to 19: 13.
- Georgia Tribes**, sources of information on 42: 649.
- Georgian Bay**, reference to 28: 290.
- Geranium Masculatum**
 - medicinal constituents of 44: 304.
 - medicinal properties of 44: 301.
 - use of 44: 289, 342.
- Geranium Richardsonii** 45: 461.
- Geranium Viscosissimum** 45: 461.
- Geranium, Wild.** *See* **Geranium Masculatum.**
- Gerard, William R.**
 - study of, on Algonquian place and tribal names 31: 8; 32: 10.
 - work of 30: 10, 16.

- Gerfalcon Totem**, representations of 28: 324.
- Gerland, G.** 46: 368.
- Germ God**, worship of 21: 24.
- Germ Goddess**
of the Hopi 15: 259.
Soyal mana's personation of 21: 122.
- Germ Mother of the Hopi** 16: 301.
- Germaine Family**
account of 17: 213.
rescue of girls of 17: 211, 212.
- German**
blood among the Cherokee 19: 83.
early use of stone axes by the 13: 63.
sketches (medieval), compared with Apache drawings 10: 740.
swordmaker's marks 10: 446.
- German Silver**, Kiowa valuation of 17: 318.
- Germans**, Omaha name for the 27: 612.
- Germination**, Masauû regarded as god of 21: 38.
- Germinative Symbol** on Sikyatki pottery 17: 704.
- Geronimo**, flight of, into Mexico 26: 60.
- Geronimo's Band**
archery game played by 24: 385.
removal to Fort Sill of 17: 215.
- Gesture**
pictured 4: 236.
use of, among northern Indians 11: 183.
- Gesture and Posture Signs** depicted 10: 637-642.
- Gesture Language**
evolution of 20: CLXIV sq.
mention of 3: xxv.
reference to 22, i: xxx.
study of 1: xxiii.
See also Sign Language.
- Gestures**
as an occasional recourse 1: 279.
as survival of sign language 1: 330.
etymology of words from 1: 352.
fluent talkers of 1: 279.
in mental disorder 1: 276.
in rituals 47: 283.
involuntary response to 1: 280.
language not proportionate to development of 1: 293, 314.
- Gestures—Continued**
of low tribes of men 1: 279.
of lower animals 1: 275.
of the blind 1: 278.
of the young children 1: 276.
use of, by modern actors 1: 308.
use of, by modern orators 1: 311.
- Geum Canadense**, use of 44: 289, 356.
- Geum sp.** 45: 464, 476, 506, 507.
- Geum Triflorum** 45: 465, 466, 469, 473, 493, 504.
- G'ëxsem** 35: 806, 816.
- G'ëxsēm, Nak'wax'da'xu**, legend of 35: 1179.
- Ghanan** day symbol, discussion of 16: 226.
- Gheen, Stephen**
on amounts of wild rice harvested 19: 1077.
on birch-bark winnowing fan 19: 1071.
on failure of wild rice crop 19: 1099.
on Ojibwa storing wild rice in cedar-bark bags 19: 1072.
- Ghigiga**, Eskimo visits to Russian fair at 18: 230.
- Ghost**
belief in, Omaha 11: 421, 474, 484, 496, 512, 518.
child of, Kwakiutl 35: 712.
stories of, Teton 11: 489.
string figures of, Guiana Indian 38: § 663.
See also Ghosts.
- Ghost Country**
myths concerning 19: 253 sq.
of the Kwakiutl 35: 710-713.
- Ghost Creek**
crania from 46: 153, 154.
mention of 46: 61, 62, 63, 64, 81, 129.
- Ghost Dance**
among the Arapaho 14: 895.
among the Caddo 14: 1095.
among the Kiowa 14: 906; 17: 221, 360, 375.
among the Menomini 14: 63.
among the Omaha 3: 353; 11: 393, 544.
among the Sioux 14: 796.
among the southern tribes 14: 887.

Ghost Dance—Continued

and Shaker ceremony compared 14: 762.

area covered by 14: 926.

ceremony of the 14: 915, 920.

construction of circle for 14: 802.

designs connected with 45: 423-427.

doctrine compared with other systems 14: 928.

doctrine of the 14: 777.

doctrine, Sioux belief concerning 14: 1060.

features of, among the Sioux 14: 822.

first, at Walker Lake 14: 802.

how performed 14: 796.

inauguration of, among the Sioux 14: 821.

introduction of, among the Arapaho 14: 894.

introduction of, among the Cheyenne 14: 895.

investigations on 13: xxxii, xxxix. Kiowa, number of attendants at 14: 914.

large number of Indians in 14: 895, 898.

lasso of 35: 909.

mention of 24: 620.

native drawings of 14: 791.

number of Indians influenced by 14: 926.

of the Kwakiutl 35: 897, 902, 904, 905, 906-928, 935, 959.

performance of, at Walker Lake 14: 818.

preparation of memoir on 15: xxvii.

preparations for the 14: 918; 35: 906-913.

present condition of the 14: 927.

religion, memoir on 14: l, lviii.

responsibility of, for Sioux outbreak 14: 833.

spread of the 14: 804, 846, 902.

study of the 14: xxxix; 15: xxxiv, xxxviii, xliii, xlvii, lii, lx, lxiv, lxvii.

time for performance of 14: 1011, 1012.

See also Messiah; Wovoka.

Ghost Dance Religion, among the Cherokee 19: 89.

Ghost Dancer

effect of, upon other dancers 35: 911, 917 sq.

lassoing of 35: 924-927.

mention of 35: 1155, 1164.

sacred room of 35: 922.

song of 35: 915 sqq.

Ghost Feast 40: 357, 473-481, 483.

Ghost Gamble 1: 195 sqq.

Ghost Lodge

ceremonies of 7: 278-281.

description of 11: 487.

Ghost Shirts

description of 14: 789.

first use of, by Sioux 14: 846, 916.

gathered after Wounded Knee battle 14: 878.

invulnerability of 14: 798, 831, 869, 1073.

reference to, in Ghost song 14: 1072, 1073.

responsibility for, disclaimed by Wovoka 14: 722, 823.

symbolic decoration of 14: 798, 823.

turtle pictured on 14: 976.

use of, among the Sioux 14: 788, 915.

use of, among various tribes 14: 791.

Ghost Society

account of 27: 489 sq., 602.

of the Ojibwa 14: 67.

Ghost Song. *See* Song.

Ghost Theory

fallacies at foundation of 20: cxxvii.

nature and origin of 20: clxxii.

rôle of, in development of ethics 20: cxxvii sq.

Ghost Village, Kwakiutl 35: 714.

Ghosts

attracted by yawning 35: 711.

belief in 45: 183, 290.

beliefs concerning 46: 493, 494.

cry of 35: 911.

dancing of 40: 399.

diseases attributed to 20: cvi.

dispersion of, by noise 42: 511, 512; 44: 231, 256.

do not hear shouts 35: 711.

Eskimo belief in 9: 431-434; 18: 422.

exorcised by medicine 42: 664.

fear of 42: 511 sq.

Ghosts—Continued

- illness caused by 42: 669.
- materials used by 35: 711.
- medicines used against 42: 653.
- mention of 35: 727.
- Mohegan belief in 43: 262.
- Omaha conception of 27: 215 sq., 489 sq., 590 sq.
- origin of 33: 612, 630.
- Pima conception of 26: 253.
- propitiation of 47: 632.
- Society of those blessed by 37: 317.
- Tlingit conception of 26: 430, 434.
- widespread belief in 20: CLXXII.
- See also Ghost; Soul; Spirits.*

Giádedéete, Kiowa war party under 17: 281.

Giáguádaltágâ, meaning of 17: 152.

Giáká-ite, death of 17: 307.

Gianque, Florian, on mound burial 1: 120.

Giant Bird Kaloo, myth of 10: 472 sq.

Giant Cactus. *See Saguaro.*

Giant Hyssop, fragrant 33: 113.

Giant Petroglyph, England 10: 173.

Giant Society

- ceremonial of 11: 91.
- songs of 11: 126.

Giants

- beliefs in 42: 497; 44: 249; 45: 181, 290, 383.
- beliefs concerning 11: 508.
- discovery of tribe of 14: 392.
- in Menomini myth 14: 205, 231.
- Indian, finding of, by Maldonado 14: 484.
- Indian, visit of Diaz among 14: 485.
- legend of, Eskimo 18: 471-474.
- myths of 19: 391, 500 sq.
- treatment of disease caused by 42: 649 sq.

See also Mountain Giant.

Gibaros, modern Porto Rican natives 25: 47, 68, 73, 75, 156 sq.

Gibberish, always used by Indian medicine-men 9: 464.

Gibbon, A. S., on sacred stone of Oraibi 4: 58.

Gibbs, Dr. George.

- comparative vocabulary by 1: 555.
- linguistic literature of 7: 17, 22.
- mention of 1: 106.
- on burial canoes and houses 1: 177.

Gibbs, Dr. George—Continued

- on dice game, Nisqualli 24: 156.
- on Oregon pictographs 4: 231.
- on Santo Domingo 29: 448.
- on stick game, Nisqualli 24: 250.
- on the Chimakum language 7: 62.
- on the Kulanapan family 7: 87.
- on the Weitspean language 7: 131.
- petroglyphs described by 10: 123.
- quinary-vigesimal system in California 19: 924.
- quoted on symbols of Northwest tribes 4: 153.
- the Eh-nek family of 7: 100.
- Wishoshkan researches of 7: 133.
- Yuchi vocabulary of, cited 7: 136.

Gibson, Hardy, assistance of 36: 14.

Gibson, Col. John, on name Talligewi 19: 184.

Gibson, Chief John Arthur.

- annalist 21: 137.
- assistance rendered by, to Canadian Department of Indian Affairs 43: 454.
- belief of 43: 608.
- information obtained from 41: 8.
- instructed by Onondaga chief 43: 454.
- Onondaga cosmogonic myth furnished by 24: xviii.
- text dictated by 43: 453.

Gibson, Mrs. Mary, assistance of 36: 14.

Gidley, Dr. J. W.

- collection made by 43: 18.
- reference to 44: 469.
- work of 43: 14 sq.; 45: 7 sq.

Gi-edal, death of 17: 339.

Gift

- given in return for feast 35: 766.
- supernatural 35: 944.
- See also Gifts; Presents.*

Gift Dance 45: 192.

Gifts

- among the Assiniboin 15: 225.
- at burials 45: 174.
- at marriage 45: 170 sq.
- baskets intended for 41: 204.
- bestowed at Omaha feasts 3: 279, 281, 332.
- bringing of, by children 22, ii: 106, 117, 121.
- compensation expected for 46: 600.
- distribution and acknowledgment of Hako 22, ii: 183.

Gifts—Continued

- distribution of, by Hopi kateinas 21: 82, 83.
- exchange of, among the Kansa 15: 232.
- final, of fathers to children 22, ii: 182.
- for treatment of the sick 46: 424.
- four days after birth of child 35: 841 sq.
- marriage, among the Hidatsa 15: 242.
- presentation of, to the fathers 22, ii: 253-256, 260.
- return of 46: 475.
- use of, in courtships 42: 371, 372.
- See also Gift; Presents.*

G'ig'ilgām 35: 814.**Gila Apache**, treaty with 18: 822.**Gila Bend Reserve**, establishment of 18: 908.**Gila Cliff Dwellings** (National Monument), creation of 29: 20.**Gila Crossing**

- calendar narrative of 26: 38-66.
- day schools of 26: 34.
- first adobe houses of 26: 59.
- in Pima mythology 26: 229.
- Pima village 26: 23.
- reference to 28: 45.
- sacred places of 26: 255.
- settlement of 26: 54.

Gila Monster

- diseases caused by 26: 264.
- in Pima song 26: 307.

Gila Pottery 4: 219, 281, 283.**Gila River.**

- character of water of 26: 30, 87.
- condition of, at Gila Crossing 26: 54.
- fish in 26: 83.
- flow of water of 26: 54, 65, 66, 67.
- growth of reeds along 28: 142, 147.
- in Pima legend 28: 45.
- in Pima song 26: 287.
- irrigation along the course of 26: 86-89.
- pictographs on the 4: 28; 10: 49.
- plumed serpent symbolic of 28: 113, 142.
- possible early visit to 14: 353.

Gila River Reserve

- changes in 18: 888, 894 sqq., 906, 914.
- establishment of 18: 820.

Gila River Reserve—Continued

- railroad extension to 26: 56.

Gila River Valley, Ariz., pictographs in 10: 51.**Gila-Salado Basin**, pottery from, similarity of, to that of Verde Valley and Chaves Pass 22, i: 34.**Gila-Salt Region**

- cremation practiced in 28: 220.
- early inhabitants of 28: 44, 61 sq., 94, 102, 115, 156, 218.
- geographic limit of compounds 28: 151.
- "great houses," description of 28: 156.
- pottery of 28: 137, 141.
- reservoirs of 28: 112, 115.
- shell carvings from 28: 145.
- summary of conclusions as to 28: 153-160.

See also Salt River Valley; and titles relating to Casa Grande.

Gila Valley

- antiquities of, bulletin on 28: 17.
- botany of 26: 18.
- climate of 26: 36.
- field work in 22, i: XIII.
- pottery from, characteristic color of 22, i: 193.
- pottery from, characteristic type of 22, i: 141.
- pottery from, occurrence of, in Four-mile Ruin 22, i: 141.
- visit to 22, i: 121.

See also Pueblo Viejo.

Gila Upper Valley, antiquities of 27: 11; 29: 20.**Gilbert, —**

- communication by 10: 48.
- drawings by 10: 77.
- inscriptions copied and described by 10: 116, 117.
- petroglyphs described by 10: 50, 329.

Gilbert, G. K.

- examination of quarry shops by 15: 52.
- on Klamath burial 1: 147.
- on Moquis burial 1: 114.
- on pictographs 4: 25, 30, 46, 228, 237.
- on Pueblo etchings 1: 371, 372, 373.
- on sacred stone of Oraibi 4: 58.
- visit of, to Zuñi 5: 540.

- Gilbert, Sir Humphrey**, charter granted to 18: 529.
- Gilboa, Mount**, caves of 34: 83.
- Gilder, W. H.**
cited 6: 411, 456, 457, 458, 459, 466, 498, 522.
cited on Eskimo children 9: 419.
cited on Eskimo wolf-killer 9: 259.
quoted on exchange of wives by the Eskimo 9: 413.
work of, consulted. 9: 22.
- Gileños**
description of, by Font 26: 29 sq.
enemies of the Pima 26: 26.
location of 26: 20.
- Gilfillan, Rev. Jos. A.**
gift by, of Chippewa letters 34: 31.
on present use of wild rice by whites in Minnesota 19: 1105.
- Gilg, Adan**, shriving of Seri captives by 17: 60.
- Gili, F. S.**, cited 30: 142, 260, 366.
- Gilii**, on preparation of cassava 25: 52.
- Gill, De Lancey W.**
acknowledgments to 10: 30; 14: 655; 15: 18; 17: 20, 147; 20: 17.
aid by 10: XXI.
discovery of Piny Branch quarries by 15: 35.
field work by 22, i: XII.
illustration work by 32: 30; 33: 34.
office work by 22, i: XXXVIII.
photographs by 23: XLIII; 34: 249.
somatological illustrations prepared by 23: XVIII.
study of mica quarrying by 15: 106.
work of 11: XXXVIII; 13: XLI; 14: XXXVI, XLVII; 16: LXXIX; 17: LVII; 18: XLIX; 19: XXXI; 21: XXXII; 23: XV, XLIII; 24: XXVII sq.; 25: XIII, XXII sq.; 26: XXX; 27: 12; 28: 21; 29: 23 sq.; 31: 22; 34: 28; 36: 29, 32; 37: 28; 38: p. 19; 39: 21, 25; 40: 18; 41: 18, 42, 71, 94, 114; 42: 17 sq.; 43: 10, 17; 44: 16 sq.; 45: 17 sq.; 46: 14; 47: 12; 48: 19.
- Gill, Mrs.** —, pictures by 21: 47.
- Gill, G. Wylie**, collection made by 29: 31.
- Gill, J. K.**, acknowledgment to 14: XLII.
- Gill, W. H.**
collection made by 28: 21.
work of 25: XIII.
- Gill, Rev. W. W.**, on Polynesian myths 19: 431, 442.
- Gill Nets**, Eskimo 18: 183 sqq.
- Gillen, F. J.**
on Australian intermarrying groups 19: 836.
on Australian marriage customs 17: 285*.
- Gillespie, W.**, on manufacture of cores 13: 170.
- Gillespie's Station**, attack on 19: 65 sq.
- Gillingham, David**, assistance rendered by 33: 46.
- Gillman, Henry**
exploration of mound by 1: 148.
on use of bird-shape stones 13: 126.
- Gilly's Creek**, character of stones along 15: 72.
- Gilmer, Governor** —, declaration of, concerning delay in removal 19: 129.
- Gilmore, C. W.** 46: 58.
- Gilmore, Dr. Melvin Randolph**
contributor to Bureau 48: 1189.
note on accompanying paper of 33: 39.
papers by 37: 27; 39: 24; 40: 17.
- Gilo, Adano.** See **Gilg, Adan.**
- Gilpin, H. D.**, on the use of wampum belts 2: 246.
- Gilsonite "Pencil,"** fragment of 44: 92.
- Gĩnă's**
a Kiowa Apache synonym 17: 245.
Wichita name of the Kiowa Apache 14: 1081.
- Ginger, Wild**
belief concerning 45: 508.
use of 44: 287, 318; 45: 496.
See also **Asarum Canadense.**
- Ginseng**
ghosts exorcised by 42: 511, 656.
in Cherokee lore 19: 421, 425, 505.

Ginseng—Continued

medicinal use of 42: 485, 656, 660;
43: 266.

Mide tradition relating to origin of
7: 241, 242.

use of 33: 106.

Gioloco Language 7: 102.

Gios, Don Cristoval, request for land
grant by 18: 543.

Girard, —, on fish of Gila and tribu-
taries 26: 83.

Girders

supporting upper walls 8: 144.

Tusayan houses supported by piers
8: 151.

Girdles

appearance of, in pictures of Hopi
kateinas 21: 80, 84.

of human skin 9: 571.

superstitions concerning 9: 557 sq.,
570 sq., 577.

use of, in parturition 9: 570 sq.

woven, ceremonial use of 39: 251,
257.

See also Belt.

Girl

children destroyed 38: § 721.

driven out after illegitimate marriage
35: 1098.

maturing, belief regarding 35: 700.

See also Children; Girls; Women.

Girl Dancers

Zuñi, costume worn by 23: 588 sq.

Zuñi, song and dance by 23: 589.

Girls

activities of 47: 543.

and the Katecina Society 47: 874
sq.

apron worn by 42: 683.

Assiniboin, characteristics of 46:
444.

assistants in ceremony 47: 263.

baskets used by 41: 200.

Eskimo custom of killing 18: 289
sq.

Eskimo, physical characteristics of
18: 28.

game played by 47: 239.

hair dressing of 42: 684; 43: 94.

puberty customs for 45: 168, 282
sq., 430 sq., 508.

punishment of, for disobedience 40:
297, 338.

training of 40: 297–313, 338, 341.

See also Girl; etc.

Girty's Town, cession of land at 18:
654.

Gist, Christopher, explorations of
42: 787.

Gist, George. *See Sequoya.*

G'ispawadwe'da, story of 31: 297.

G'i-spa-x-lâ'ots, name of a tribe 31:
119.

G'it-na-gun-a'ks, story of 31: 285–
292.

G'it-q!ā'oda

Local Winter in, story of 31: 250
sqq.

The Blind, story of 31: 246–250.

G'it-qxā'la 31: 119.

Gitschee, Waubezhaas, Ojibwa treaty
signer 14: 28.

G'its!Emgā'lôn, hunting and berry
grounds of 31: 401.

Giu'n'habi, war pack of 27: 406,
434.

Given, Joseph, son of Set-t'aiñte 17:
330.

Given, Dr. O. G., on cairn burial 1:
142.

Glacial Man, existence of 15: xxi.

Glacier

in Tlingit mythology 26: 454.

term for 29: 53.

Tlingit house-group name 26: 402.

Glad, sign for 1: 495.

Glade Spring, Va., junction of trails
42: 759.

Glass, Cherokee chief, expulsion of
whites from Muscle Shoals by
19: 68.

Glass

Eskimo implements made of 18:
146, 171.

Eskimo ornaments made of 18: 49,
54.

from mounds, Mississippi 12: 275.
use of, in modern Pueblo windows
8: 196.

Glass Beads

from mounds 12: 715.

mention of 38: § 76.

occurrence of, in association with
New England pottery 20: 179.
said to grow on bushes 38: § 822.

Glasscock, Thomas, and King, John,
protest against treaty of 1785 5:
155.

Glassware, occurrence of, in Florida
Peninsula 20: 130.

Glaze

absence of, eastern United States pottery 20: 49, 52, 59, 60, 84, 195.

for pottery 38: § 93.

of Pueblo pottery 4: 268.

pottery showing, Florida Peninsula 20: 129 sq.

Glazed Pottery, ruins furnishing 22, i: 57.

Glazing

not found on aboriginal pottery 2: 325.

of Pueblo windows 8: 196, 197.

See also **Glaze**.

Glazunof, A. 46: 57, 127, 130, 150.

Gleditsia Triacanthos, medicinal use of 42: 669.

Glenn, James, treaty concluded by 18: 633.

Glennan, Dr. J. D.

at Wounded Knee massacre 14: 870.

Kiowa shield owned by 17: 305.

treatment of Kiowa by, during epidemic 17: 363.

Glode

genealogy of 14: 57.

See also **Konot**.

Glooscap, hero-god of the Abnaki 10: 469 sq., 473.

Glossary

Kiowa-English and English-Kiowa 17: 391-439.

of Eskimo terms 6: 663-669.

of the Arapaho 14: 1012.

of the Caddo 14: 1102.

of the Cherokee 19: 506, 548.

of the Cheyenne 14: 1039.

of the Kiowa 14: 1088.

of the Paiute 14: 1056.

of the Sioux 14: 1075.

of the Tsimshian 31: 967-979.

See also **Vocabulary**.

Glottal Stop, Arapaho 28: 235.

Glover, C. C., acknowledgment to 28: 20.

Gloves

ceremonial, of the Eskimo 18: 416.

of the Eskimo 18: 38 sqq.

Glowworm, in Cherokee lore 19: 309.

Glue

made by Indians 4: 235.

used by Indians 14: 276, 284.

Gluscap

the culture hero 43: 177.

See also **Glooscap**.

Glutton

tamed 38: § 723.

See also **Paiakyamû**; **Teutckutû**.

Gluttony

god of 11: 471.

in Tusayan ceremonies 15: 293, 294, 303.

See also **Greediness**.

Glycine Apios

a life symbol 36: 111.

mention of 33: 94.

Glycyrrhiza Lepidota 33: 92.

Gnadenhutten

purchase of reserve at 18: 704.

reservation at 18: 650.

Gnaphalium Obtusifolium, medicinal use of 42: 661, 663 sq.

Gnats

mention of 46: 56, 59, 60, 61, 62, 64, 66, 71, 72, 77, 78, 129.

plague of, a possible cause of abandonment of pueblos 22, i: 22.

Gneiss

crushed, use of, as tempering material, Middle Atlantic Coast pottery 20: 151.

Eskimo fishing implements made of 18: 179.

Go in Ap. *See* **Walapai**.

Goat Kiva of Walpi, height of 8: 119.

Goats

Cherokee name for 19: 265.

hunting of, Kwakiutl 35: 173.

mountain, in Pueblo country 14: 550, 560.

mountain, seen by Spaniards 14: 516.

myths concerning 11: 497.

purchase of, for Kiowa 17: 340.

Goatsbeard, use of 45: 457.

Goat-suckers

beliefs concerning 30: 274, 371.

origin of 30: 175 sq.

spirit incarnated in 30: 174 sqq.

Goblet, Guiana Indian 38: § 390.

Goblet-shaped Vases, Florida Peninsula 20: 126, 127.

God

Christian, an Acoma supernatural
47: 67.

definition of the term 21: 135.

Indian idea of 14: 1031.

no evidence of belief in 30: 117
sqq.

Siouan idea of 11: xlv, 521.

Wawenock synonym for 43: 180.

See also Deity; God, Echo; etc.;
Great Spirit.

God, Echo, Iroquois myth of the 2:
58.

God of Day

path of 39: 357, 358, 360, 361.

See also Sky; Sun.

God of Death of the Hopi 17: 641.

God of Life, mention of 30: 61.

God of Winter, snow pictured as
living body of man, formed by
32: 61.

God, Thunder, of the Iroquois 2:
51, 58.

God, Zuñi Hunter

of the East 2: 28.

of the lower regions 2: 30.

of the North 2: 25.

of the South 2: 29.

of the upper regions 2: 29.

of the West 2: 26.

Godard, Miss Sara, cooperation of
46: 6.

Godbe, W. S., acknowledgment to
14: 655.

Goddard, Dr. Pliny Earle

acknowledgments to 29: 12.

on Abiquiu 29: 138.

on Arkansas River 29: 563.

on Canadian River 29: 561.

on cat's cradle, Hupa 24: 763.

on Cimarron 29: 569.

on dice game, Hupa 24: 92, 199.

on double ball, Hupa 24: 656 *sq.*

on feast of San Antonio 29: 156
sq.

on Ojo Caliente region 29: 165.

on personified rivers 29: 84, 102.

on Pikes Peak 29: 563.

on Rio Grande 29: 101.

on Santa Fé 29: 460.

on Taos 29: 182.

study by 29: 18.

work of 26: xxi, xxvi.

Goddard, S., with archeological expe-
dition in 1895 17: 527.

Gods

and deities, Iroquois 32: 69.

Angry (*A'toshle*), actions of, toward
the people 23: 140.

assembling of 23: 100.

costume of, during house repairing
23: 228.

Hopi methods of representing 21:
13, 15, 16.

medicines derived from 30: 63.

of Abnaki, presiding over petroglyphs
10: 32.

of the Cherokee and their abiding
places 7: 340 *sqq.*

of the Iroquois 2:

ancient and modern 51.

Echo 52.

Hi-nu^a 51, 58.

North Wind 52.

of the mythologic age 52.

origin of the ancient and modern
51.

power of the 53.

Tă-rhu^a-hyiă-wăh-ku^a, holder of
the Heavens 52.

Thunder 51, 58.

West Wind 52.

offerings of food to 23: 91, 93, 94.

pregnant woman visited by 23: 89,
90.

procession of, over western roads
23: 91.

rabbit hunt with 23: 89, 94.

use of the term 15: 253.

See also Beast Gods; Deity; God;
etc.; Katcinas; Masked Gods;
Supernaturals; War Gods.

Gods and Goddesses. *See* Sky
Deities.

Gods of War

on the Zuñi 23:

description of 116.

mention of 34, 35, 37, 38, 39.

offerings made to 116.

preparation of paraphernalia for
113.

shrines of, list of 606.

See also War Gods.

Gods, Zuñi Prey

of the hunt 2: 20.

priesthood of the bow 2: 40.

six regions 2: 16.

Goeje, De. *See* **De Goeje.**

Goetz, Otto

acknowledgment to 29: 38.

reference to 29: 557.

Goforth, Doctor —, fossils collected by 42: 791.

Goggles

mention of 46: 173.

of the Eskimo 11: 222.

snow, of the Eskimo 9: 260 *sqq.*;
18: 169 *sqq.*

wooden, buried deep 46: 169.

Going-on-the-Road, death of 17: 301.

Going-Snake, signer of Act of Union 19: 135.

Gold

among the Borinqueños 25: 107,
211 *sq.*

discovery of, in Cherokee country 19: 116.

discovery of, Suya 14: 533.

found by Coronado at Cibola 14: 563.

found by Coronado at Quivira 14: 582.

in Menomini myth 14: 225.

mention of 38: § 85; 46: 128.

necklace of 38: § 536.

objects of, in the West Indies 34: 265.

obtained by Indians from Spanish wreck 12: 712.

occurrence of, in Cherokee country 19: 26, 29, 220 *sq.*

ornaments of 34: 230.

reports of, from Quivira 14: 503,
504, 512.

Tewa name for 29: 582.

use of, in Indian trade 14: 472.

Gold Mining, reference to 29: 176,
506, 507, 508, 553 *sq.*

Golden Circle, Knights of, secession-
ist organization 19: 148.

Golden City, aboriginal quarry near 44: 539.

Golden Eagle

as a symbol 39: 214.

Cherokee ideas concerning 19: 281.

sacred nature of 39: 336.

See also **Eagle.**

Golden Grove, workings at 44: 540.

Golden Thread, medicinal use of 43: 265.

Goldenrod

medicinal use of 42: 664.

use of 33: 133; 44: 289, 293, 336,
340; 45: 468.

use of, in medicine 30: 60.

See also **Solidago.**

Goldenweiser, Dr. A. A., mention of 31: 516.

Goldfrank, Mrs. Esther Schiff, work of 47: 201.

Goldinge, William, license to purchase land issued to 18: 578.

Goldthorpe Burials, location of 37: 99.

Goldthread, use of 44: 288, 369.

Golendrina, use of, in medicine 30: 51.

Golondrina, antidote for snake bites 26: 65.

Goleta Point, asphalt from 44: 105.

"**Golgothas**," Mandan 1: 170.

Golofnin Bay

clothing from 18: 42.

crania from 46: 288, 292, 324.

implements from 18: 89, 144.

mention of 46: 90, 115, 116, 196,
257, 260, 262, 263.

people of 18: 26.

tobacco implements from 18: 276.

transportation apparatus from 18: 222.

visit of E. W. Nelson to 18: 20.

Golovnin Point, mention of 46: 205.

Golsova 46: 199.

Gomara, François Lopez de

description of bison by 14: 543.

historical work of 25: 24, 66.

on aboriginal Antilleans 25: 28.

on Borinqueños 25: 170.

on capture of Cibola 14: 483.

on Cempoalan ruins 25: 233.

on chalchihuitl among Mexicans 9: 590.

on Chichimecas 14: 524.

on cities found by Cortés 25: 243.

on clay eating by Indians 9: 538,
539.

on clothing of Pueblo Indians 14: 517.

on Haitian ceremony for crops 25: 66 *sq.*

on Haitian myth 25: 73.

on Haitian *zemis* 25: 56, 146.

on illness of Coronado 14: 531.

- Gomara, François Lopez de—Con.**
 on Indian cakes 9: 526.
 on Indian mats 9: 527.
 on Indian medicine-men 9: 459, 463, 464, 470, 472, 512.
 on Indian medicine women 9: 469.
 on Indian necklaces 9: 488.
 on Pecos 29: 476.
 on prophesy of Indian gods 25: 65.
 on Quivira 29: 565.
 on Quivira and Padilla 14: 529.
 on return of Coronado 14: 539.
 on route of Cortés 25: 235, 244, 245, 246.
 on slavery in West Indies 25: 23.
 on stories told by Turk Indians 14: 492.
 on temples of Quetzalcoatl 25: 237.
 on use of tobacco by Cubans 25: 64.
 on vomiting sticks 25: 193.
 quotation from 14: 497.
- Gomäte, a Kiowa chief** 17: 313.
- Gomez, —, visit to America by** 19: 191.
- Gonaives, Haiti, specimen from** 34: 186.
- Gonaives Island** 25: 139.
- Gonatquanā'yî. See Raven Phratry. (Tlingit).**
- Gonā'xo, Tlingit town** 26: 397.
- Goñk'oñ**
 delegate to Washington in 1894 17: 225, 253.
 progressiveness of 17: 252.
 reference to 17: 445.
- Gonorrhea**
 Pima cure for 26: 80.
 remedies used for 42: 661, 662.
- Gonzales, Juan** 25: 37 *sq.*
- Gonzales, Nestor, reference to** 29: 309.
- Gonzales de Mendoza, quoted on**
 Indians throwing meal 9: 510.
- Gooch, W. D., on use of perforated stones** 13: 98.
- Good**
 discussion of 19: LVII *sq.*
 pictograph for 10: 592.
 Serian and Yuman words meaning 17: 337* *sq.*
 signs for 1: 424.
- Good Battiste Chart or Winter Count**
 mention of 4: 88, 95, 99–146, 165, 166, 172, 219, 220, 241, 242.
See also Corbusier Winter Counts.
- Good-child Chief, story of** 42: 61 *sqq.*
- Good Lance, on the Sioux outbreak** 14: 839.
- Good Snake, or Celestial One, description of** 42: 494.
- Good-Snake Disease, treatment for** 42: 649.
- Good Thunder**
 vision of son of 14: 797, 821.
 visit of, to Wovoka 14: 797, 819, 820.
- Goode, G. B., acknowledgment to** 17: 20.
- Goode, Dr. G. Brown**
 acknowledgments to 16: XLII; 17: 528.
 aid rendered by 15: xci.
 collection of games prepared at request of 24: 29.
 examination of quarry shops by 15: 52.
- Goodfellow, —, on Sonora earthquake** 26: 60.
- Goodland Point, Fla., occurrence of pottery animal heads at** 20: 128.
- Goodman, F. W.** 46: 31, 101, 103, 112, 113, 114.
- Goodman, J. T.**
 chronological calendar of 19: 759.
 copy of interpretation of inscriptions from Temple of Inscriptions 19: 771–775.
 interpretation of dates on Foliated Cross by 19: 765–771.
 interpretation of Mayan calendar by, reference to 22, i: XLIV.
 on Copan inscriptions 19: 776 *sq.*, 778, 779, 780–783, 784, 786, 787, 788.
 on importance of Ahau and Mayan time counts 19: 816.
 on initial series of various Mayan inscriptions 19: 800–806.
 on interpreting Mayan time symbols 19: 760.
 on interpretations of Tablet of the Cross 19: 740–743, 744, 746 *sq.*, 748.

- Goodman, J. T.**—Continued
 on Mayan chronology 19: 792 *sq.*
 on Mayan day names 19: 808–811, 812.
 on Mayan directive signs 19: 751.
 on Mayan inscriptions and chronology 22, i: 203–305 (*passim*).
 on Mayan methods of computation 19: 932 *sq.*
 on Mayan reckoning 19: 728.
 on Mayan symbols 19: 791.
 on Mayan time series 19: 710.
 on Mayan time symbols 19: 711–714.
 on methods of Mayan time reckoning 19: 732.
 on names for Mayan time units 19: 715–720.
 on names for Mayan time periods 19: 723, 724, 725, 726.
 on numeral system in the codices 19: 814.
 on Tablet of the Cross 19: 733–736.
 on Tablet of the Sun 19: 761, 762 *sq.*, 765.
 on the “grand era” in Mayan chronology 19: 794, 795, 796, 797, 798, 799, 800.
 on time symbols of the Tablet of the Cross 19: 749, 750, 751.
 references to 19: 699, 700, 701, 704, 705, 706, 708, 737, 738.
 summary of work of, on Mayan inscriptions 22, i: 261.
 system of Mayan chronology by 19: 792–800.
 theory of, applied to reading Piedras Negras inscriptions 19: 788–791.
- Goodness**, Indian conception of 30: 149, 162 *sq.*
- Goodnews Bay**
 old site 46: 171.
 ruins on 18: 264.
- Goodnight, Charles**, purchase of buffalo from 17: 355.
- Goodpaster** 46: 125.
- Goodrich, J. K.**, aid of, in details for masks and labrets 3: 151.
- Goods**, classification of 20: XLIV.
- Goodykoontz, Wells**, information from 42: 766.
- Goose**
 in Tlaqluit myth 14: 740.
 in Tlingit calendar 26: 426.
- Goose**—Continued
 representations of, Gulf Coast pottery 20: 110.
 skin of, Eskimo clothing made of 18: 31.
 Tlingit chief’s name 26: 405.
See also **Birds; Geese.**
- Goose People**
 a division of the Corn People 47: 272.
 officials of 47: 273.
- Gooseberries**
 picking of 35: 221.
 preparation of 35: 597.
 use of 44: 292, 356; 45: 489.
- Gooseberry Jam** 35: 598 *sq.*
- Gopa**, definition of 16: 259.
- Gopaa** day symbol, discussion of 16: 248, 258.
- Gopher**
 destructive to Pima crops 26: 92.
 disease caused by 26: 263.
 eaten by the Pima 26: 82.
 in Pima mythology 26: 226, 344, 351, 385 *sq.*
 in Pima song 26: 319 *sq.*, 326, 335.
 in Tewa conception 29: 43.
 myths concerning 11: 496.
- Gorbalan, Francisco**, companion of Coronado 14: 477.
- Gordon, A. R.**, cited 6: 412, 463.
- Gordon, Charles.** *See* **Lindgren, Graton and Gordon.**
- Gordon, G. B.**, work of, in Alaska 46: 30.
- Gordon, Hanford Lenox**
 on Dakota use of wild rice 19: 1057.
 on influence of wild rice on geographic nomenclature 19: 1122.
 on meaning of Dakota words 19: 1061.
 on Ojibwa wild rice moons 19: 1090.
- Gordon, H. L.**
 acknowledgment to 41: 494.
 Indian remains on farm of 41: 495.
 vase found by 41: 541.
- Gordon, Mrs. H. L.**, acknowledgment to 41: 494.
- Gordon People**
 compared with those of Madisonville, Ohio 41: 554.
 driven out by Cherokee 41: 556.
 relationship of, to other people 41: 555.
 wanderings of 41: 555 *sqq.*

- Gordon Site**
 date of desertion of 41: 556, 557.
 deserted by inhabitants 41: 553 *sq.*
- Gore, Okla.**, medicinal spring near 42: 669.
- Gorges, Sir Ferdinando**, charter granted to 18: 530.
- Gorgetts**
 butterfly, description of 13: 123.
 description and figure of 13: 116.
 from Pueblo ruins in Arizona, discovery of 22, i: 86, 91.
 from Pueblo ruins in Arizona, figures showing 22, i: 86, 92.
 in Sikyatki graves 17: 733.
 of abalone shells 44: 152.
 of the Eskimo 9: 370.
 shell, distribution of 42: 685.
 shell, mention of 3: 466, 488.
 shell, use of, in ceremony 39: 251 *sq.*
 silver, use of 42: 525.
 symbolism of 43: 34, 95.
- Gorgetts, Engraved**
 classification of 2: 267.
 design on, character of 2: 267.
 description of, by Beverly 2: 256.
 modern examples of shell 2: 267, 305.
 significance of designs on 2: 267, 274, 278, 282.
 use of, as amulets 2: 267.
 use of, as insignia 2: 267, 273.
 use of, as symbols 2: 268, 273.
 use of, as totems 2: 268.
- Gorjanovič-Kramberger, K.** 46: 308, 312, 368.
- Gormandism of the Menomini** 14: 287.
- Gorrell, James**
 abandonment of Green Bay by 14: 18.
 Green Bay governed by 14: 17.
 Menomini friendliness toward 14: 34.
 on Menomini population 14: 32.
- Goshawk**, myths concerning 19: 254 *sq.*, 284, 325.
- Gosh-Utes**, aquatic burial among the 1: 181.
- Gosiats**, water burial among the 6: XLI.
- Gosiute**
 confounded with the Paiute 14: 1048.
 Ghost dance among the 14: 805.
 population of 7: 110.
- Goss, Weston**, vessel obtained by 20: 166.
- Gossipium.** *See* Cotton.
- Götze, J. C.**
 biographical sketch of 6: 261, 262.
 preservation of Dresden Codex by 6: 261.
- Gouges**
 description of 13: 82.
 of the Eskimo 18: 89.
 use of, in decoration, eastern United States pottery 20: 52.
 use of, in steatite working 15: 130.
- Gould, Miss. A. B.**
 mortar presented by 34: 222.
 on cave of El Consejo 25: 156.
- Gould, Miss. B. A.** (probably a mistake for Miss A. B. Gould—B. B.)
 collection presented by 34: 216.
- Gould, J. G.**, inclosure on land of, New York 12: 511.
- Gould, J. Loomis**, material collected by 24: 260.
- Goupia Glabra.** *See* Kabukalli.
- Gourd**
 appearance of, in Hopi pictures 21: 64, 68, 116, 120.
 in Cherokee lore 19: 454 *sq.*
 in Oraibi Antelope dance 16: 292.
 in Pima song 26: 326, 335.
 ladle in Tusayan ceremony 15: 281.
 placed on Oraibi altar 16: 291.
 rattle from Pueblo ruins 22, i: 163.
 use of, as helmet, by Hopi kachinas 21: 77.
 use of, as roof drain 8: 154, 155.
 use of, by Estevan as sign of authority 14: 360.
 use of, by Hopi kachinas 21: 35, 105, 112.
 use of, for carrying water 14: 490.
 use of, in Tusayan ceremony 15: 279; 16: 280, 281, 282.
 vessels to carry water 4: 482, 483.
 wild 33: 116 *sq.*
See also Calabash; Cucurbita; Gourds; Rattles; Wild Gourd.
- Gourd, Dipper** 33: 117.

Gourd Forms

- eastern United States pottery 20: 35.
- Florida Peninsula pottery 20: 118, 124, 127, 128.
- Middle Mississippi Valley pottery 20: 94 sq.

Gourds

- as paraphernalia of the dance 40: 38, 123, 139.
- at Antelope altar 19: 968 sq.
- collection of Indian 3: 589.
- copied in pottery 4: 270, 306, 353, 446.
- pictographs on 4: 60; 10: 208 sq.
- probable place of origin of 33: 59.
- use of, for rattles, by southern Indians 20: 34.
- use of, in pottery making, eastern United States 20: 50, 51, 54, 56.
- uses of 30: 67, 88.
- See also* **Gourd**; etc.

Gourds, Three, story about 43: 381 sq.

Government

- among primitive peoples 15: cvii.
- among the Eskimo* 9:
 - "chiefs" are simply wealthy men 429 sq.
 - in the family 427.
 - in the village 427.
 - influence of elders 427.
 - influence of property in 428 sqq.
 - public opinion 427 sq.
 - umialiks 429 sq.
- among the Osage* 36:
 - civil branch of 67.
 - military branch of 65.
 - military form of 59.
- at Acoma, summarized 47: 63.
- Cherokee, modification in 19: 112 sq., 116, 135.
- classification of departments of 20: LXXXIV.
- constitutive department of 20: LXXXIV sq.
- Creek, description of, by Farnham 42: 330.
- East Cherokee, organization of 19: 173.
- executive department of 20: LXXXVII.
- form of 42: 314.
- former, of the Zuñi 13: 325.

Government—Continued

- in savagery, affected by hunting 15: CXVI.
 - Indian, steps toward abolition of 19: 153 sq.
 - judicative department of 20: LXXXVIII sq.
 - legislative department of 20: LXXXVI.
 - new, after Civil War 42: 330.
 - of the Antilleans 25: 33 sqq.
 - of the Assiniboin 46: 435, 445 sq.
 - of the Chickasaw 44: 213-216.
 - of the Creeks 42: 276-334.
 - of the Kiowa 17: 233.
 - of the Menomini 14: 39.
 - of the Navaho 17: 485.
 - of the Omaha 3: 356-363.
 - of the Pueblo Indians 14: 356, 518, 561.
 - of the Seri 17: 275* sqq.
 - of the Siouan Indians 15: 188, 214.
 - of the Sonora Indians 14: 515.
 - of the Zuñi 23: 289 sq.
 - officials of 42: 315 sq.
 - operative department of 20: LXXXVI sq.
 - reasons for establishment of 20: LXXIX.
 - representative, principles of 20: CXXII sqq.
 - republican, adoption of, by Cherokee 19: 106 sq.
 - secular, at Isleta 47: 250-254.
 - theocratic, at Acoma 47: 41.
 - tribal, organization of 19: XLIX.
 - United States, aid in farming and mechanic arts given by 19: 82 sq., 104 sq.
 - Wyandot civil 1: 61.
 - Wyandot civil, functions of 1: 63.
 - See also* **Chiefs**; **Chieftainship**; **Politics**; **Social Organization**; **Tribal Government**; **Tribal Organization**.
 - "**Government**" or **Ross Party** of the Cherokee 5: 293, 298, 299.
- Governmental**
- functions 3: 356.
 - instrumentalities 3: 356.
- Governor**
- custodian of pueblo treasury 47: 55.

Governor—Continuedduties of 47: 52 *sqq.*, 252 *sqq.*

office of 47: 479.

Gowen, N. E. G., mound on farm of, New York 12: 508.**Goycoecha Report**, Yuctu mentioned in 44: 55.**Gozzadini, Conte Giovanni**, cited 4: 62.**Graah, W.** 46: 369.**Graah, W. A.**

on Eskimo ghosts or demons 9: 431.

works of, consulted 9: 22.

Grace at meals by Shakers 14: 755.**Graded ways and ramps** 12: 589.**Graffe, Doctor —**, on tattooing 3: 80.**Graffenreid, Baron de**, on magic powder of Indians 9: 512.**Graffenried, Emanuel**, cited on cause of North Carolina Indian war 18: 628.**Graham, —**, quoted on Kānakūk 14: 693 *sq.***Graham, George**, commissioner to treat with Cherokee 5: 197, 198, 205.**Graham, Maj. L. P.**

march of 26: 31.

reference to 28: 65.

Graham, Nick, information furnished by 24: 711, 800, 801.**Graham, R.**, Menomini treaty commissioner 14: 21.**Graham, Mount**, Pueblo ruins near 22, i: 187.**Graham Mountains**, sacrificial caves in, visit to 22, i: 187 *sq.***Grain**

storage of, among the Omaha 13: 274.

supply of the Zuñi 23: 353.

Grain of Wood, possibility that use of carved paddles was suggested by 20: 123.**Grammar**

development of 20: CXLIX–CLIII.

Mohegan-Pequot, material bearing on 43: 281–287.

sign language with reference to 1: 359.

Grammatic

elements of language 7: 141.

structure in classification of Indian languages 7: 11.

Grammatic Processes

agglutination 1: 4.

combination 1: 3.

compounding 1: 3.

inflexion 1: 4.

intonation 1: 6.

juxtaposition 1: 3.

placement 1: 7, 8.

vocalic mutation 1: 5.

Granada

Coronado's name for Hawikuh 14: 389, 558, 564.

See also Cibola; Hawikuh.**Granaries**

of the Havasupai 13: 350.

of the Pima, how formed 13: 246.

of the Tarahumare 13: 350.

uses of 22: 688 *sq.***Granary Structure**

in cliff ruins 16: 97.

See also Cist.**Grand Bois** on Fox River, reservation at 18: 724.**Grand Caicos**, number of specimens from 34: 50.**Grand Canyon**

discovery of 14: LVII.

region of, in Pima mythology 26: 231.

See also Colorado River.**Grand Canyon National Monument**, creation of 29: 20.**Grand Canyon of the Colorado**, reference to 28: 157.**Grand Era**, numerical value of, in Mayan chronology 22, i: 234.**Grand Island**, reservation on 18: 756.**Grand Medicine**, Chippewa, reference to 27: 102.**Grand Medicine Society**

of the Menomini 14: 66–138.

of the Ojibwa 13: XXXI, XXXIX.

of the Ojibwa, investigation of 10: XIII.

See also Midewiwin.**Grand Pawnee**, treaty with 18: 750.**Grand Portage Chippewa** land cessions and reservations 18: 769, 938.

- Grand River Chippewa**, reservation for 18: 810.
- Grand River Uta** land cessions and reservations 18: 848, 893.
- Grand Traverse Bay**, reservation at 18: 756.
- Grand Traverse Chippewa**, reservation for 18: 810.
- Grandchild**, application of the term 42: 82, 92.
- Grande Baptiste**. *See* Rice, Jean B.
- Grande Ronde Reserve**, establishment of 18: 800, 818.
- Grandfather**
a term denoting reverence 39: 97, 101, 276.
application of the term. 42: 80, 91.
name for fire 42: 484.
See also Grandfathers; Hadu'ŭ.
- Grandfather Kacina**. *See* Tacab Yebitcai.
- Grandfathers**
names of 47: 264.
office of 47: 263.
- Grandmother**
application of the term 42: 80, 91.
as a courtesy term 40: 340.
in Iroquoian cosmology 21: 320.
- Grandmother Woman**. *See* So wüqti.
- Granier, E., Collection** 24: 501, 619.
- Granite**
adaptability of, for pecking 15: 96.
Eskimo implements made of 18: 116, 179, 181, 182, 187.
Eskimo ornaments made of 18: 49.
- Granite Creek, Ariz.**
reference to 28: 200.
ruins along 28: 202 *sqq.*, 215, 218.
- Grant, —**, on tattooing 4: 66.
- Grant, Colonel —**, expedition against Cherokee under 19: 44.
- Grant County, Wis.**, mounds in 5: 19.
- Grant Mound**, examination of 43: 15.
- Grantley Harbor** 46: 118.
- Grape Leaves**, medicinal use of 43: 264.
- Grapes**
in Cherokee lore 19: 422.
introduction of, into Pueblo country 14: 550.
- Grapes—Continued**
summer, medicinal use of 42: 645, 660.
use of 44: 294.
wild 33: 102.
wild, found by Coronado 14: 507, 510, 528, 582, 591.
See also Grape Leaf; Oregon Grape; *Vitis Cordifolia*.
- Grapevine**
myths concerning 19: 465, 501.
used in fishing 13: 97.
- Grapevine Canyon**, ruins in 28: 13.
- Grapevine Springs**, pictographs at 4: 157.
- Graphic Art**
nature and development of 19: LXXIV–LXXVII.
of the Siouan Indians 15: 168.
- Graphite**, Eskimo fetish made of 18: 439.
- Grashoffer, Juan Bautista**, settler in Arizona 26: 28.
- Grass, John**
conduct of, in Siouan outbreak 14: 884.
on Blackfeet gentes 15: 219.
- Grass**
basketry pattern, Guiana Indian 38: § 444.
brush of, symbolism of 22, ii: 220, 352.
bunches of, used in ceremony 39: 295, 298, 299, 300.
Eskimo clothing made of 18: 30, 39, 43.
Eskimo implements made of 18: 113, 119, 134, 176.
Eskimo manufactures from 18: 202–205.
Eskimo method of making thread from 18: 110 *sq.*
Eskimo tobacco implements made of 18: 280.
Eskimo toys made of 18: 337, 345.
Eskimo transportation apparatus made of 18: 217.
seed used as food 14: 1054.
sign for 1: 343.
sweet, use of, in Hako ceremony 22, ii: 20, 26.
symbol in the codices 16: 244.
use of 44: 378.

Grass—Continued

use of, as tempering material, Florida

Peninsula pottery 20: 117.

use of, in roof construction 8: 150.

See also Grasses.

Grass Baskets 4: 78.

Grass Dance, application of the term
27: 461.

Grass Game, Mono 24: 310.

Grass Lands

advantage of, to Kiowa 17: 364.

Kiowa Apache leases of 17: 252.

Kiowa leases of 17: 223, 350, 354.

payment for lease of 17: 354, 355.

Grass Plant, discontented, legend of
18: 505-510.

Grasserie, Raoul de la

on Mixe numerals above ten 19:
906.

on Zoquean number names 19:
873.

Grasses

employed in spinning 13: 22.

of Seriland 17: 36.

preparation of, for basketry 41:
152 sq.

purple, use of 41: 146.

time for cutting 41: 150.

use of, in basketry 41: 148.

See also Grass.

Grasshoppers

baited with fish poison 38: § 211.

in Menomini myth 14: 205.

ritual for expelling 47: 314.

used as food 14: 287.

used as food by Guiana Indians
38: § 223.

Grater for cassava 38: § 334-343.

Graton, Louis C. *See* Lindgren,
Graton and Gordon.

Grauberg, Hermann, killed at
Wounded Knee 14: 872.

Grave

Eskimo 11: 192.

Guiana Indian 38: § 832, 851.

spirit remaining in 30: 149.

See also Graves.

Grave Boxes

Eskimo 18: 310-322.

Menomini 14: 74 sq.

Grave Burial 1: 101.

Grave Creek, W. Va.

land cessions and reservations 18:
796.

Grave Creek, W. Va.—Continued

mounds 5: 51, 136.

tablet 12: 632.

Grave Creek Mound 2: 234, 264.

Grave Creek Stone, the 4: 250; 10:
761 sq.

Grave Digging

done by men 40: 423.

done by women 40: 409, 423.

mention of 40: 421.

Grave Poles

decoration of 45: 174.

erection of 45: 173.

Grave Posts

markings on 37: 144, 155, 162.

mention of 4: 198.

of the Algonquian 10: 517 sq.

of the Fox Indians 40: 358, 371,
421.

of the Menomini 14: 74.

war exploits recorded on 42: 396.

Grave Slabs, at Cheylon and Homo-
lobi, perforations in 22, i: 106.

Gravel, mixture of, with clay, for use
as plaster and cement 20: 37.

Graves, Edward, supposed introduc-
tion of spinning wheels by 19:
214.

Graves, E. M., gorget sent by 47: 13.

Graves, Lucy M., work of 29: 24.

Graves

bark lined 42: 392.

beliefs concerning 42: 652 sq.

character and preservation of pottery
found in, Middle Mississippi Valley
20: 82.

character of, at Pastolik 46: 77.

circular 44: 424.

concealment of 45: 382.

contents of 41: 528 sq., 537, 547.

despoiling of 46: 64.

discovery of 33: 185, 187, 188, 189,
194, 195.

hexagonal and round 41: 587.

in Allen County, Ky. 44: 488-491.

log structures over 42: 396.

not marked 46: 572, 576.

of Burton Mound 42: 9.

of children 41: 499, 520 sq., 537,
546, 547, 598, 601.

probable existence of, in Kin-tiel
8: 93.

property deposited at 45: 173 sq.

rectangular stone 41: 603-606.

Graves—Continued

- sanctity of 44: 231.
- stone, Alexander County, Ill. 12: 149.
- stone, box-shaped, how constructed 12: 690.
- stone, copper plate from 12: 308.
- stone, definition of 12: 29.
- stone, Delawares buried in 12: 692.
- stone, in Appalachian district 12: 575.
- stone, in central or Tennessee district 12: 580, 584.
- stone, in Ohio district 12: 571.
- stone, Kanawha County, W. Va. 12: 421.
- stone, most abundant in middle Tennessee 12: 693.
- stone, occasionally found in New York 12: 547.
- stone, of peculiar form, Brown County, Ohio 12: 452.
- stone, Randolph County, Ill. 12: 124-140.
- stone, Randolph County, Ill., age of 12: 136.
- stone, Shawnees buried in 12: 697.
- stone, sometimes comparatively recent 12: 136, 698.
- stone, Union County 12: 160.
- stone slab 42: 396.
- whalebones used for lining 44: 134.
- See also* **Burials; Mortuary Customs; Mortuary Pottery; Stoneslab Graves.**
- Graves Collection**, reference to 42: 4.
- Gravestones** at K'iakima 8: 85, 86, 147.
- Graveyards**
 - of the Eskimo 18: 313.
 - recent, Anvik 46: 56.
 - recent, Barrow 46: 111.
 - recent, Koyukuk (below) 46: 53.
 - recent, Meyer's (below) 46: 50.
 - recent, Nulato 46: 54.
 - recent, Point Hope 46: 102, 113.
 - recent, Russian mission (below) 46: 72.
- Gravier, Father James**
 - compiler of Illinois dictionary 24: 230.
 - Kwapa villages mentioned by 15: 193.

Gravier, Father James—Continued

- on dice game, Illinois 24: 72.
- on hoop and pole, Huma 24: 486.
- on the Na'htchi and Tacusa 7: 97.
- Gravier, Jacques**, cited 12: 624, 652, 657.
- Gray, Col. A. B.**, Pima's land surveyed by 26: 32.
- Gray, Dr. C. C.**, material collected by 24: 97, 758.
- Gray, N.**, survey by 18: 795.
- Gray Bear**, another name of Weasel Bear 14: 959.
- Gray-Eagle**
 - delegate to Washington in 1872 17: 192, 252.
 - note concerning 17: 445.
 - portrait of 17: 247.
- Gray-Horse**
 - ceremony performed at 45: 534, 536.
 - village at 36: 45.
- Gray Mountain**, in Pima mythology 26: 217.
- Gray Squirrel**, myth concerning 19: 262.
- Gray Ware**, Pueblo Viejo ruins, character of 22, i: 180.
- Grayling**, Eskimo methods of catching 18: 179.
- Grayson, George Washington**
 - acknowledgment to 42: 31.
 - appointment of, as chief by President Wilson 42: 331.
 - brass plates described by 42: 509.
 - busk described by 42: 574 *sqq.*
 - Cherokee speech obtained from 37: 10 *sq.*
 - clan of 42: 228.
 - information furnished by 42: 67, 112, 169, 251, 436, 501, 611.
 - mention of 42: 494.
 - myth recorded by 42: 71.
 - name of father of 42: 105.
 - name recovered by 42: 100.
 - names translated by 42: 34.
- Grayson, Mrs. —**, names furnished by 42: 100.
- Grayson, Washington**, successor to G. W. Grayson 42: 331.
- Grazing** on the plains 46: 408.
- Greasewood**
 - food for stock 26: 84.
 - the ordinary Kiva fuel 8: 121.

- Greasy Face**, an Arapaho division
14: 956.
- Greasy Mountain**
Apache-Pima fight on 26: 43.
in Pima mythology 26: 217, 224.
in Pima song 26: 278, 328.
scene of division among Maricopa
26: 60 sq.
- Great**, Serian and Yuman words mean-
ing 17: 337* sq.
- Great Abaco**, number of specimens
from 34: 50.
- Great Bad Spirit**, a creation of Earth-
maker 37: 439.
- Great Bear Dance**, Kwakiutl 35:
1086.
- Great Black Hawk**
characterization of 37: 440.
offerings to 37: 429, 449, 465, 505,
535.
- Great Britain and Ireland**, petro-
glyphs in 10: 171 sqq.
- Great Cayman**, archeology of 34:
258.
- Great Cycle**
in Mayan chronology, discussion of
22, i: 262-275.
in Mayan chronology, numerical
value of 22, i: 204, 234.
in Mayan chronology, symbols for,
figures showing 22, i: 264, 266,
298.
- Great Cycles** (*of Mayan chronology*)
initial days of, discussion of 22, i:
236-248.
initial days of, tables showing 22, i:
236, 255, 256.
- Great Dance from Above**, Kwakiutl
35: 1085.
- Great Diomedes Island** 46: 210.
- Great Dipper**, Indian name for 42:
478.
- Great Fire Fraternity**
account of 30: 38.
Ma'tke 'Hlan'nakwe, of the Zuñi
23: 485-521.
medicines used by the 30: 44, 46.
organization of the 23: 409.
prayer plumes deposited by certain
members of 23: 128.
water collected by certain members
of 23: 128.
- Great Fire Society**
ceremonies conducted by 47: 924
sq.
erection of altar of 47: 782.
meal paintings of 47: 978.
mention of 47: 528.
song cycles of 47: 496.
songs of 47: 911.
- Great Fish River**, Eskimo 46: 223.
- Great Fool Dance**, Kwakiutl 35:
1086.
- Great Head**, Iroquois myth of 2:
59, 62.
- Great Heads**
dispersion of the, Iroquois myth 2:
62.
power of the 2: 63.
shape of the 2: 53.
- Great Hon'ga**
gens of Kansa and Quapaw 27: 40.
See also Hon'gato'nga.
- Great Inagua**, number of specimens
from 34: 50.
- Great Indian Warpath**
on Appalachian trail 42: 771.
in Tennessee 42: 749 sqq.
mention of 42: 749-765.
migrations along 42: 757.
Ohio branch of 42: 751-758.
- Great Inventor**, Kwakiutl 35: 622,
625, 626, 627.
- Great Lakes**
reference to 27: 81.
trail to 42: 839-844.
- Great Lakes Region**
character of pottery of 20: 22 sq.,
146 sq.
occupation of, by the Iroquois 20:
159.
pottery of 20: 187-198.
pottery of, relations of 20: 147.
- Great Mystery** of the Menomini 14:
39.
- Great Osage Village**, location of 36:
44.
- Great Plains**
Coronado's description of 14: 580.
dangers of traveling on 14: 578.
description of 14: 527.
description of, by companion of
Coronado 14: 570.
- Great Plains Tribes**, research work
among 25: x, XIII.

Great Plumed Serpent

effigies of, carried in Palülüköñti
21: 87.

gourd decorated with masks of, in
Palülüköñti 21: 41.

representation of, on kilt of Citulilü
21: 108.

spring sacred to 21: 52, 53.

See also Palülüköñti.

Great Salt Lake Basin, pottery of
20: 194, 201.

Great Salt Lick, trail from 42: 850.

Great Shaman, Tsimshian story of
31: 331-336.

Great Shell, mention of priests of
47: 525, 526.

Great Silver Fox

belief concerning 45: 509.

use of 45: 462, 483, 496.

Great Smoky Mountains, trail
through 42: 750.

Great South Trail 42: 850 *sq.*

Great Spirit

absence of belief in 11: XLVI, 365,
423, 431, 501, 521.

among the Eskimo 11: 194.

definition of 15: 181.

fallacy concerning 15: 182, 313.

identification of, as Earthmaker 37:
438.

Kānakūk's ideas concerning 14:
695.

of Indians, an error 4: 191.

See also God; Spirituality; Su-
preme Being.

Great Wi'-gi-e

mention of 36: 254-269.

theme of 36: 238.

Greater Antilles

archeological reconnaissances in
25: XXVI *sqq.*

Carib influence in 25: 27.

See also Antilleans; Borinquenños;
Carib: Cuba; Haiti.

Grebe, myths concerning 11: 496.

Greediness

punishment for 30: 58, 222.

See also Gluttony.

Greek Fret, absence of, on Zuñi vessels
2: 323.

Greek Vases, figures on, explained by
modern Italian gestures 1: 289,
290.

Greeks, mnemonic device of 10: 226.

Greely, A. (W.)

on Eskimo of Grinnell Land 7: 73.
survey by 18: 677.

Greely, Horace

on Cherokee part in Civil War 19:
148.

on effect of Georgia anti-Cherokee
laws 19: 118.

on events preceding Removal 19:
125.

on imprisonment of missionaries by
Georgia 19: 120.

Green, Buck, reference to 40: 504.

Green, George, reference to 40: 504.

Green, Johnny, reference to 40:
504.

Green

Serian and Yuman names meaning
17: 335* *sq.*

symbolism of 22, ii: 21, 40, 288.

Green Bay

abandonment by the English of 14:
18.

change in reserve at 18: 768.

home of the Winnebago 37: 77

Indians on, in 1766 14: 19.

land claims at 14: 28.

origin of the name 14: 15.

progress of 14: 18.

reservations at 18: 712, 756, 773.

settlement on 37: 80.

treaty of 18: 722, 742 *sqq.*

visited by Jedidiah Morse 14: 22
sq.

wild rice in 19: 1033.

Green Bay Area

Indians and condition of, in 19:
1112 *sq.*

nature of, as Indian habitat 19:
1111 *sq.*

Green Bear. *See* Cakwahonau.

Green-briar, medicinal use of 42:
661.

Green Corn Dance

among the Siouan Indians 11: 429.

among the Western Cherokee 19:
146.

component ceremonies of 19: 279,
290, 452.

derivation of the term 42: 554.

fire lighting before 19: 396.

purificatory rites in 19: 230.

See also Busk.

- Green River Valley**, pottery of 20: 194.
- Greeneville**
cession of reserve made by treaty of 18: 678.
treaty of 18: 654 *sqq.*
- Greenheart**, *Nectandra rodioei*
cure for fever and dysentery 38: § 927.
seeds a substitute for cassava 38: § 240.
- Greenland**
Eskimo of 7: 72, 75.
field work in 23: ix.
Innuït of, tattooing of 10: 392.
native map of 10: 346.
sinker stones of 13: 97.
work in 19: xviii.
- Greenland Crania**
basiofacial diameters 46: 280, 281.
comparison of, with St. Lawrence 46: 298.
dental arch of 46: 276.
facial 46: 266.
lower jaw of 46: 301, 306.
means 46: 286.
mention of 46: 257, 258, 260, 261, 262, 263, 264.
nose 46: 268, 270.
orbits 46: 271-274.
skulls 46: 233.
- Greenland Eskimo**
different from Yukon 46: 83.
homogeneous 46: 358.
like Eskimo of "mounds" near Barrow 46: 318, 323.
mention of 46: 227, 230.
- Greenleaf Prairie**, Okla., medicinal springs of 42: 669.
- Greenman**, M. J. 46: 318.
- Greensboro**, N. C., trail divided at 42: 776.
- Greensburg**, Ky., trail near 42: 803.
- Greensnake**, myths concerning 19: 280, 296 *sq.*
- Greenstone**
beads of, Guiana Indian 38: § 76.
definition of 13: 58.
Eskimo implements made of 18: 82, 92.
use of, for necklaces 38: § 536.
See also **Stones**, *green*.
- Greenup County**, Ky., aboriginal remains in 44: 491.
- Greenville**
Indian assemblage at 14: 683.
treaty of 14: 671.
- Greenwell**, Arthur, information furnished by 44: 61 *sq.*
- Greenwood**, —, determination of boundaries by 18: 787.
- Greenwood Group of Ruins**, mention of 41: 496.
- Greer**, L. M., acknowledgment to 19: 13.
- Greeting**
ceremonial 37: 432.
forms of 35: 839; 42: 702 *sq.*; 45: 149.
mention of 35: 852.
mode of, Guiana Indian 30: 186, 208.
religious, description of 14: 905.
- Greetings**
between friendly towns 42: 450.
of husband and wife 42: 451.
of the Alabama 42: 450.
of the Chickasaw 42: 450.
of the Indians 46: 524.
usual forms of 42: 449.
See also **Greeting**; **Salutation**, *form of*.
- Gregg**, Josiah
on Chouteau's trading post 17: 171.
on Kiowa character 17: 235.
on Kiowa raid in 1832 17: 255 *sq.*
on Pawnee customs 17: 259, 260.
on Shawano myths 19: 437.
on smallpox epidemic of 1840 17: 275.
on symbolism of meteors 17: 261.
on Tajique 29: 533.
on Taos 29: 182.
- Gregg**, Dr. P., on surface burial 1: 140.
- Gregory**, J. O., cited concerning Wovoka 14: 773.
- Gregory**, James R.
acknowledgment to 42: 32.
information furnished by 42: 54, 63, 226, 243.
- Gregory Bald**, myths concerning 19: 407, 473.
- Grenada**
archeological reconnaissance of 25: xv.
culture relationships of 34: 88.
number of specimens from 34: 49.
pottery from 34: 118, 119, 121.

- Grenada, Miss.**, trail to 42: 822.
- Grey, Alexander**, commissioner to extinguish Cherokee title 5: 241.
- Grey, Miss Edith**, mention of 43: 213.
- Grey Friars**, name of 14: 543.
- Greyling River**
 crania from 46: 153.
 site of 46: 58, 81.
- Grey's Mound**, Old town, Tennessee 2: 283.
- Griddle Designs**
 Florida Peninsula stamped ware 20: 127.
 See also **Checker Designs**.
- Griddles**
 for cassava bread 34: 119, 120.
 Guiana Indian 38: § 99, 362.
- Grief**, weeping as an expression of 20: CXXI sq.
- Grierson, Colonel** —, order for arrest of Kiowa by 17: 332.
- Grierson, Robert**, clan of wife of 42: 120.
- Griesbach, C. L.**, on use of perforated stones 13: 98.
- Grignon, A.**
 on Menomini characteristics 14: 34.
 on Menomini slavery 14: 35.
 on progress of Green Bay 14: 18.
 quoted on Aîâmita 14: 56.
 quoted on Carron 14: 51.
 quoted on Konot 14: 52, 54.
 quoted on Tomau 14: 54, 56, 57.
- Grignon, C. A.**, reservation for 18: 744.
- Grijalva**, expedition of 25: 273.
- Grillet, J., and Bechamel, F.**
 cited 30: 339, 352.
 on belief as to God 30: 117 sq.
- Grimm, Charles**, mounds on land of 12: 559.
- Grimm, Jacob**, on ancient German superstitions 9: 487, 491, 541, 559, 561, 568, 570, 573.
- Grindella Squarrosa** 33: 133.
- Grinders**
 for chocolate 34: 223, 224.
 from Guadeloupe 34: 154-158.
 from Porto Rican area 34: 221-224.
 from St. Kitts 34: 162.
 from St. Vincent region 34: 112 sq.
 identification of, as seats 34: 222.
 See also **Mortars; Pestles**.
- Grinding**
 rocks used in 41: 498.
 See also **Rasping**.
- Grinding Devices**, development of 20: xv.
- Grinding Stones**
 barter in 30: 203.
 Casa Grande 28: 126 sq.
 description of 13: 93.
 See also **Disks; Metate; Milling; Mullers; Slabs**.
- Grinnell, Dr. Fordyce**
 on Comanche inhumation 1: 99.
 on Wichita burial customs 1: 102.
- Grinnell, Dr. George Bird**
 acknowledgments to 14: 655; 29: 12.
 on absence of Ghost dance among Blackfeet 14: 817.
 on Apache tribal sign 17: 246.
 on Blackfeet Dog soldiers 14: 986.
 on Blackfeet eagle trapping 14: 993; 19: 453.
 on Blackfoot and Pawnee myths 19: 432, 445 sq., 447, 451, 462 sq., 473.
 on Blackfoot war customs 17: 259.
 on Cheyenne divisions 14: 1025, 1026.
 on Cheyenne Ghost dance 14: 915.
 on dice game, Blackfoot 24: 56 sqq.
 on dice game, Cheyenne 24: 59 sq.
 on dice game, Grosventres 24: 57 sq.
 on dice game, Pawnee 24: 101.
 on etymology of Arapaho 14: 1014.
 on Ghost dance among Cheyenne 14: 819.
 on hand game, Blackfoot 24: 269.
 on hand game, Cheyenne 24: 269.
 on hand game, Pawnee 24: 276.
 on horses among the Piegan 15: 174.
 on hoop and pole, Blackfoot 24: 444.
 on Indian temper 17: 168.
 on Kiowa habitat 17: 157.
 on Pawnee movements in 1870 17: 333.
 on Pawnee name of the Sioux 14: 1057.
 on Pawnee pottery making 20: 58 sq., 195.
 on the name Arapaho 14: 953.
 work of 26: xxv.

- Grinnell Land**, Eskimo of 7: 73.
- Grippe** among the East Cherokee 19: 179.
- Grizzly Bear**
 carving of 35: 805, 806, 856.
 description of 31: 456.
 house of 35: 1224.
 painting of 35: 806, 811.
- Grizzly Bear**, among the *Tlingit*
 as charm 26: 455.
 chief's name 26: 406.
 crest animal 26: 415, 416, 419, 420, 455.
 customs concerning 26: 455.
 Haida and *Tlingit* names for 26: 476.
 house-group name 26: 400, 401, 403, 404, 406.
 in mythology 26: 432, 461.
 name of gaming stick 26: 444.
 source of personal names 26: 421, 422.
 tribal name 26: 412.
- Grizzly Bear and Beaver**, *Tsimshian* story of 31: 111 sq.
- Grizzly-Bear-at-Door-of-Cannibal-at-North-End-of-the-World** 35: 856.
- Grizzly Bear Dance**
 a religious society 37: 204.
 of the *Kwakiutl* 35: 856, 895, 966, 1035, 1374.
 of the *Omaha* 3: 349.
- Grizzly Bear Dancers** 35: 1158 sq.
- Grizzly Bear Dish**, *Kwakiutl* 35: 756, 805, 806, 807, 812, 816, 849, 864, 962, 1040, 1349.
- Grizzly Bear Ladle** 35: 1024.
- Grizzly - Bear - of - the - Sea**, split, painting of 35: 811.
- Grizzly Bear Posts** 35: 805, 806.
- Grizzly Bear Society**, *Winnebago* 37: 317, 347.
- Gromwell**, use of 45: 480, 502, 508.
- Gro'niⁿ**, kinship group, *Osage* 27: 58, 60 sq.
- Gronovious**, —, on scientific synonym for wild rice 19: 1021.
- Grooved Stones** other than stone axes 13: 95.
- Grooves**
 axes classified by 13: 65.
 double, in stone axes 13: 63.
- Gros Ventre Language**, classification of 28: 234, 235, 290a.
- Gros Ventre Notebooks** 36: 28.
- Gros Ventres**
 an *Arapaho* substitute 14: 954.
 and *Mandans*, scaffold burial of 1: 161.
 application of the name 15: 197.
 ceremonial scarification of 46: 490.
 Flathead name for 45: 302.
 games of the 24:
 archery 383, 384, 529.
 buzz 751.
 dice games 70 sqq.
 hand and foot ball 705, 706.
 hand game 270 sq.
 hoop and pole 429, 447.
 ring and pin 537.
 shinny 621 sq.
 snow-snake 404.
 tops 734 sq.
 Ghost dance among the 14: 817.
 habitat of the 7: 116.
 land cessions and reservations 18: 786, 852, 864, 874, 876, 880, 900 sqq., 924 sqq., 942.
 mention of 4: 101, 103, 107, 108, 114, 133, 134, 138.
 migrations of 45: 320.
 modern pottery making by 20: 195.
 names of, in sign language 45: 147.
 pottery of 20: 198.
 of *Dakota*, games of the 24: 57 sq.
 of the *Missouri*, *Hidatsa* so called 14: 955.
 of the *Prairie*, an *Arapaho* division 14: 955.
 of the *Prairie*, hand game of 24: 276.
 of the *Prairie*, migration of 46: 405.
 of the *Prairie*, once *Arapaho* 46: 405.
 self-torture of the 46: 522.
 symbol for the 4: 166.
 women and children spared by 46: 551.
 See also Arapaho; Hidatsa.
- Grosser, Doctor** —, specimen collected by 34: 186.
- Grossman, Capt. F. E.**
 agent for *Pima* 26: 34.
 on *Apache* purification 9: 475.

- Grossman, Capt. F. E.**—Continued
 on Casa Grande 28: 44 sq., 61 sq.
 on Pima burial 1: 98.
- Grossularia Irrigua** 45: 472, 489.
- Grossularia Missouriensis** 33: 84.
- Grossularia Oxyacanthoides**, use of
 44: 292, 356.
- Grote, A. R.** 46: 331, 332, 333, 343,
 353, 369.
- Grotesque Forms**
 East Tennessee pottery, absence of
 20: 180.
 Iroquoian pottery, rarity of 20:
 174.
 Middle Mississippi Valley pottery
 20: 85, 86, 87, 95.
- Ground**
 cultivation of, regulated by the Hañga
 gens 3: 302.
 frozen 46: 113, 168.
 pictographs on the 4: 60.
- Ground Bean** 33: 95.
- Ground Cherry**
 large-bladder, medicinal use of 27:
 584.
 mention of 33: 113.
 use of 30: 70.
- Ground Pine**, use of 44: 290, 362.
- Ground Plan**
 how affected by long occupancy 13:
 212.
 of Mashongnavi room 8: 108.
 of mesa villages influenced by pre-
 vailing winds 8: 182.
 of place of initiation 39: 84.
 of Shupaulovi kiva 8: 125.
 of Zuñi and Tusayan compared 8:
 76.
- Ground Plum**
 mention of 33: 91.
 See also Astragalus Crassicaarpus.
- Ground Squirrel**, myths concerning
 19: 251, 263, 436.
- Groundhog**
 among Tlingit, in calendar 26: 426.
 among Tlingit, mask of 26: 436.
 among Tlingit, source of personal
 names 26: 422.
 myths concerning 19: 279, 452.
- Groups**
 anthropological, of the Eskimo 46:
 274.
 ceremonial 47: 254-274.
- Groups**—Continued
 of aboriginal American pottery 20:
 20.
 of eastern United States pottery
 20: 21 sqq.
 social, of the Zuñi 47: 476.
- Grouse**
 cawing of the 2: 144.
 name of Tlingit gaming stick 26:
 444.
 See also Pheasant.
- Grouse Creek.** *See Hoopa Valley
 Reserve.*
- Grouseland**, treaty of 18: 668.
- Grover, James**, license to purchase
 land issued to 18: 578.
- Grow**, sign for 1: 343.
- Grubs** in reindeer skins 11: 295.
- Grubworm**, myths and lore concern-
 ing 19: 251 sq., 280, 308.
- Gruel**, preparation of 30: 76.
- Grulon, Señor** —, mention of 34:
 217, 218.
- Gtox**, meaning of 16: 232.
- Guabansex**, an Antillean goddess 34:
 264.
- Guabonito**, a Porto Rican ruler 25:
 109.
- Guacanagari**, an Antillean cacique
 25: 108, 137, 153, 211.
- Guacharo Cavern**, birds and spirits in
 30: 161, 175.
- Guacharo, Salies**, a bird hunted for
 its fat 38: § 27, 184.
- Guache** day symbol, discussion of
 16: 226.
- Guachichules**, Mexican native prov-
 ince 14: 545.
- Guadalajara, Anton de**, native ally
 of Coronado 14: 536.
- Guadalajara**
 Cherokee in vicinity of 19: 146.
 citizens of, in Coronado's army 14:
 598.
 defense of, in Mixton war 14: 408,
 410.
 election of magistrates at 14: 381.
- Guadalaxara**, name of, changed in
 1540 14: 473.
- Gúédalóñte**, Kiowa war party led by
 17: 302.
- Guadalupe Canyon**, pueblos in 14:
 525.

- Guadalupe Day**, observance of 47: 289.
- Guadeloupe**
 archeological specimens from 34: 128-158.
 designs, resemblance of South Appalachian designs to 20: 135.
 number of specimens from 34: 49.
 petroglyphs in 10: 139.
- Guadiana**, Spanish river 14: 511.
- Guaes**, province near Quivira 14: 503, 529.
- Guagarispa**
 settlement of 14: 515.
See also Arispa; Ispa.
- Guaguiana**, ancient Porto Rican hero 25: 109.
- Guahibo Indians**
 customs of the 30: 254.
 marriage customs of the 30: 314.
 spells cast by the 30: 332.
- Guajiquiro, Honduras**, method of forming numbers 19: 915.
- Gualala**
 games of the 24:
 hand game 289.
 racket 594 *sq.*
- Guale**
 Creek tribes in population of 42: 51.
 of Muskogean stock 42: 678.
- Guamo Indians**
 belief of, as to spirits 30: 181.
 talismans of the 30: 287.
- Guana.** *See Iguaña.*
- Guanin**, meaning of the term 25: 146.
- Guaninis**, an ancient Porto Rican tribe 25: 109.
- Gúañtekána**
 Kiowa Apache chief in 1867 17: 251.
 treaty signed by, in 1867 17: 186.
- Guaquili**, De Soto's visit to 19: 25, 28, 194.
- Guarabo**, a Carib chief 25: 39, 40.
- Guarano**
 linguistic position of 25: 216.
 mortuary customs of 25: 71, 72.
 relationship of, to Borinquenos 25: 217.
- Guardia, R. F.**
 on Chibchan number names 19: 882.
- Guardia, R. F.—Continued**
 on Totonacan number names 19: 874.
 on Tzotzil number names 19: 863.
- Guardians of the Penalties**, wi'-gi-e of 39: 44 *sqq.*
- Guardian Spirits**
 belief in 45: 192, 292, 384.
 conception of 37: 290.
 gained at puberty 45: 169
 images of 45: 194 *sq.*
 offerings to 37: 430.
 singing of songs from 45: 186.
 supernatural powers derived from 45: 169.
- Guardian Spirit Dance** 45: 293, 387.
- Guarionex**, a Porto Rican cacique
 caciquedom of 25: 39.
 hostility of, to Spaniards 25: 23, 37, 39, 41, 150.
 oracle delivered to 25: 65.
zemis consulted by 25: 56, 60.
- Guarruma Loin Cloth** 38: § 548.
- Guas**, province of Great Plains 14: 503, 529.
- Guasili.** *See Guaxule.*
- Guatari.** *See Wateree.*
- Guatemala**
 character of pottery of 20: 20.
 exploration of, by Alvarado 14: 352.
 petroglyphs in 10: 142.
 wives for settlers imported into 14: 374.
- Guatemalan Indians**
 colors of social distinction of 10: 633.
 gesture signs of 10: 647 *sq.*
 mourning color of 10: 630.
 priest of 10: 431.
 symbols used by 10: 614 *sq.*
- Gúato-Koñgya**, treaty signed by, in 1867 17: 185.
- Gúatōñ-bain**, name applied to son of Set-t'aiñte 17: 210.
- Guatulco**, port of New Spain 14: 369.
- Guatuso**, linguistic studies 13: xxxiv.
- Guatuzaca**, Indian mythological personage 14: 405.

- Guava**
 fruit eaten by Guiana Indians 38: § 247.
 use of, as fish bait 38: § 192.
- Guaxule**, De Soto's visit to 19: 25, 26, 195 *sqq.*
- Guayána Indians**, eclipses among 30: 258.
- Guayco**, loin cloth 38: § 548.
- Guayma Tribe**
 language and classification of 17: 96, 98, 99, 101, 102, 103, 104, 108, 130*.
 synonymy of 17: 129*.
- Guaymas**, establishment of 17: 74.
- Guaymi**, Veraguas, method of forming numbers 19: 916.
- Guaymi Sabanero**, Panama, method of forming numbers 19: 916.
- Guayquirie Indians**
 beliefs of, as to spirits 30: 181.
 marriage customs of 30: 314.
 propitiation of spirits by 30: 197.
- Guayquiries**, an Orinoco tribe 25: 204.
- Guazavas Mission**, reference to 28: 56.
- Gueche**. *See* **Guache**.
- Guèla** day symbol, discussion of 16: 221.
- Guerault**, H. 46: 369.
- Guernsey**, S. J.
 bulletin by 39: 24.
 paper by 40: 17.
- Guerrier**, Edward, visit of, to Wovoka 14: 901.
- Guesde**, M., quoted by Mason 34: 60, 129-137.
- Guesde Collection**
 description of 34: 129-138.
 drawings of 34: 137.
 size of 34: 137.
- Guess or Guest**, George
 death of 5: 302.
 inventor of the Cherokee alphabet 5: 230; 12: 393.
See also **Sequoia**.
- Guessing Games**
 general description of 24: 227 *sqq.*
See also **Hand Game**; **Stick Games**.
- Guest**, W. E., paper on Iroquoian pottery by 20: 170.
- Guests**
 entertainment of 23: 231.
 Eskimo custom of offering food to 18: 297.
 Eskimo place for reception of 18: 286.
 led by hostess 35: 332.
 playing with fire by 23: 495.
 serving of, according to rank 35: 321.
 speeches of 35: 334.
See also **Salutations**.
- Guevara**, Diego de
 Indian village captured by 14: 500.
 name of, cited by Mota Padilla 14: 477.
- Guevara**, Juan de, appointment of son of 14: 477.
- Guevara**, Pedro de, appointment of, as captain 14: 477.
- Gueza-guipa**, definition of 16: 259.
- Guha**, B. S.
 visit of, among the Utes and Navaho 41: 67 *sq.*
 work of 41: 67 *sq.*
- Gui** day symbol, discussion of 16: 215.
- Guiana**
 arrow making in 13: 139.
 ethnological objects from 34: 30.
 mention of paper on Indians of 30: 26.
 petroglyphs in 10: 144-147.
 pictographs in 4: 40-44, 61.
- Guiana Indians**
 animism and folk-lore of 30: 26 *sqq.*, 103-386; 36: 36.
 appointment notices of 10: 257 *sq.*
 axes used as polishers by 13: 99.
 ceremonial articles of 13: 116.
 mention of 25: 195, 204, 219.
 name system of 4: 171 *sq.*; 10: 444 *sq.*
 painting of body by 10: 620.
 papers on, mention of 37: 27; 42: 16.
 superstitions of 10: 146.
 work among 30: 107.
- Guibadái**, stealing of wife of 17: 337.
- Guichainville**, M. de, manuscript collection of 15: LVI.
- Guichon**, Mrs. —, basket belonging to 41: 236.

Guidance and Warning, pictographs
4: 155 *sqq.*

Guii day symbol, discussion of 16:
229.

Gúik'áte

a Kiowa leader 17: 162.

death of 17: 273, 306.

Kiowa delegate in 1872 17: 192.

Gúi-Kóŋgya, death of 17: 254.

Guild, *Judge J. C.*, reminiscences of
42: 815.

Guilielma Speciosa. *See* **Paripi**.

Guillemin, M. E., mounds figured by
25: 272.

Guillemot Skin, Eskimo clothing
made of 18: 34.

Guillemots, mythic origin of 11: 262.

Guilloche

mention of 4: 309, 459.

presence of life idea in 20: 113.

use of, in decoration 20:

eastern United States pottery 67.

Middle Mississippi Valley pottery
86.

Ohio Valley pottery 186.

use of, in stamp designs, South Ap-
palachian pottery 20: 137.

See also **Decoration**.

Guilloo day symbol, discussion of
16: 252.

Guiloco Language 7: 92.

Guilty Hunters, Iroquois tale 2: 99.

Guimen, stick game of the 24: 248.

Guipa, definition of 16: 259.

Gúi-pä'go

a Kiowa chief 17: 180.

native name of Lone Wolf 14:
1079.

portrait of 17: 200.

treaty signed by, in 1865 17: 179.

See also **Lone Wolf**.

Guitéras, Eusebio

as a translator 28: 56, 57.

translator of *Rudo Ensayo* 26: 23.

Gulf Coast

burial customs of 20: 120.

European pottery from 20: 130.

occurrence of stamped ware in
20: 135.

pottery of 20: 104-114.

pottery of, area covered by 20: 21,
130.

Gulf Coast Pottery

character of 20: 20, 22 *sq.*

decoration of, in color 20: 67.

form common in 20: 95.

occurrence of features of, in east
Tennessee 20: 180.

occurrence of pottery resembling,
South Appalachian province 20:
138, 140, 144.

pipes 20: 45, 108.

resemblance of Lower Mississippi
Valley pottery to 20: 101, 104.

resemblance of Middle Mississippi
Valley pottery to 20: 81.

textile finish in 20: 68.

Gulf Coast Tribes, inland extension
of 20: 107 *sq.*

Gulf District

archeology of 12: 590-593.

burial caves in 12: 592.

burial mounds of 12: 590.

canals and ditches in 12: 593.

characteristics of 12: 590.

inclosures and walls of 12: 592.

C. C. Jones on 12: 590, 593.

limits of 12: 590.

modes of burial in 12: 591.

pottery and minor vestiges of art of
12: 593.

pyramidal mounds of 12: 590.

Gulf Indians, hair dressing of 42:
684.

Gulf Mounds 5: 12.

Gulf of Alaska, archeology of 46: 32.

Gulf of California, tides and currents
of 17: 45-49.

Gulf of Mexico

Muskogean stock on 42: 678.

physical type of tribes on 42: 677.

tribes of 30: 19.

Gulf Province, in pottery 4: 431.

Gulf States, ancient tribes of 26:
XIII *sq.*

Gull Lake

cession of reserve at 18: 830.

reservation at 18: 802.

Gulls

Eskimo clothing made of 18: 44.

leather made by Eskimo from 18:
117.

Gulls

Eskimo method of catching 18:
133.

mention of 11: 263.

Gulo Barbarus. *See* **Hakka.**

Gûlsadihi, legend of 19: 376 *sq.*

Gum

black, medicinal use of 42: 659.

spruce, Eskimo ornament made of 18: 53.

use of, in blade mounting 14: 285.

Gum Weed 33: 132.

Gumilla, J.

cited 30: 145, 146, 156, 157, 159, 162, 165, 170, 181, 254, 257 *sq.*, 269, 276, 289, 290, 295, 303, 307 *sqq.*, 314, 315, 325, 328, 331, 333, 343, 352, 362, 367, 368, 369, 370, 376.

on Antillean dances 25: 83.

on belief in a Supreme Being 30: 117, 138.

on emblems in treaties 2: 247.

on Guarano mortuary custom 25: 72.

on Guayquiries 25: 204.

on medicine man 25: 339.

on name for Supreme Being 30: 117, 118.

on Saliva Indians 25: 70, 71, 137.

on skunks 30: 368.

on twins 30: 325.

Gums, Resins, Balsams 38: § 23.

Gun, Miss Katherine, capture of 42: 769.

Gun

blowgun 38: § 117 *sqq.*

gun trap 38: § 160.

See also **Guns.**

Gun Dance

at Coweta 42: 587.

description of 42: 587.

performance of 42: 567, 586, 604, 605, 606, 607, 610.

Gunn, John M., on game of hoop and pole 24: 478.

Gunn, Molly, tradition related by 44: 176.

Gunnison, Lieut. J. W., on forced interpretation 4: 251.

Gunpā'ndama, restoration of 17: 261.

Gunpowder, Eskimo paint made of 18: 198.

Guns

firing of, at burials 42: 393, 394.

introduction of 27: 617.

Guns—Continued

introduction of, among Eskimo 18: 119.

manner of using 46: 555.

use of, by Coeur d'Alène 45: 101.

use of, by Eskimo 18: 163-166.

See also **Firearms; Gun.**

Guñsádalte

at Medicine Lodge treaty 17: 321.

data concerning 17: 146.

house built for 17: 342.

Guñskāli'ski, legend of 19: 375 *sqq.*

Gurley, J. G.

appointment and work of 28: 19.

editorial work of 32: 29; 33: 33; 36: 29; 37: 27.

resignation of 39: 23.

work of 27: 12; 29: 21 *sq.*; 30: 22; 34: 25.

Gurtler, E. C. 46: 31, 69, 70.

Gurtler's Place 46: 69, 70.

Güssefeld, F. L., on Galisteo 29: 482.

Gut Skin, Eskimo house fittings made of 18: 246.

Gûta'k, a Kiowa Apache synonym 17: 245.

Gutierrez, Diego, appointment of, as captain 14: 477.

Gutierrez, Andres, at founding of Awatobi mission 17: 599.

Gutierrez, A. M., information furnished by 44: 64.

Gutierrezia Sarothrae 33: 133.

Guttae Gum. *See* **Visinia.**

Guyandot River, trail to, from the Tug 42: 771..

Guyandot Trail 42: 765 *sq.*, 767.

Guyas. *See* **Guas.**

Guyave or piki oven 8: 173, 175.

Guzman, Nuño de

arguments of, before Council for the Indies 14: 372.

conquest of New Galicia by 14: 351.

Culiacan settled by 14: 513.

expedition of, to Seven Cities 14: 473.

exploration by 17: 51.

imprisonment of, in Mexico 14: 351.

on meaning of *k'an* 16: 226.

position of, in New Spain 14: 472.

- Guzman, Nuño de**—Continued
 president of Mexican Audiencia 14: 350.
 result of abuses of 14: 408.
- Gwáhalégo**, division of the Kiowa 17: 227.
- Gwanē**
 dog salmon in river of 35: 223.
 salmon in river of 35: 231.
- Gwa'sela**, origin of abalone names of 35: 1269.
- Gwasila**, sun-dried salmon 35: 350.
- Gwa'ye**
 cinquefoil roots at 35: 190.
 clover growing at 35: 188.
 crabapples in 35: 213.
- Gwētela** 35: 805.
- Gwin, James W.**, commissioner to treat with Cherokee 5: 288.
- Gwyther, George**, on Pogueate 29: 539.
- Gyai-ko**, Kiowa name of the Comanche 14: 1043.
- Gyái'ko**, Kiowa name of the Comanche 17: 163.
- Gyai'koaóñte**, death of 17: 299.
- Gyarzobi**, or Paroquet Kiva, roof timbers of 8: 120.
- Gyles, John**, on Abnaki marriage customs 17: 282*.
- Gymnocladus Canadensis**, medicinal use of 27: 584.
- Gymnocladus Dioica** 33: 89.
- Gypsum**
 Tewa name for 29: 584.
 use of, as whitewash 8: 73, 74, 172.
- Gypsy**
 notice of direction by the 10: 340.
 use of *Stramonium* by 30: 41.

H

- H-figure**, on Pueblo pottery, reference to 22, i: 181.
- Hâ-âk** among the Pima 26: 224, 248, 254, 278.
- Häanalênâ** 35: 812.
- Haast, J. von**, as to quaternary people of New Zealand 3: 147.
- Haäyalik'awe** Dance 35: 813, 978.
- Habel, Dr. S.**, investigations of, in Central South America 4: 73, 80, 194.

- Habenaria Leuchostachys** 45: 467, 504, 506.
- Haberer, K.** 46: 369.
- Habi-habi**, an obscene Warrau dance 38: § 593.
- Habinapo** land cessions and reservations 18: 784.
- Habitat**
 change of, modification of ideas by 4: 370.
 of the Assiniboin 46: 406-410.
 of the Cherokee 19: 14 sq.
 of the Coeur d'Alène 45: 37.
 of the Indian tribes 3: xxix.
 of the Kiowa 17: 151, 166, 171, 180.
 of the Okanagan group 45: 203.
 of the Omaha, general description of 27: 33, 70 sqq., 85-94, 608.
 of the Omaha, influence on political unity 27: 199.
 of the Omaha, summary as to 27: 112 sqq.
 of the Seri 17: 22-50.
 of the Siouan Indians 15: 186.
 of the Tewa 29: 37, 103 sq.
 of the Winnebago 37: 52, 76 sq.
 value of pottery in study of 20: 18, 19, 21 sq.

Habitations

- affected by environment 4: 473.
- of the Creeks 42: 172.
- of the Fox Indians 40: 338.
- of the Point Barrow Eskimo 9: 72-86.
- of the Seminole Indians 42: 173.
- of the Winnebago 37: 104 sqq.
- of western Utah, chronology of 36: 26.
- sign for 1: 427.
- study of 41: 2.
- See also* Dwellings; Houses; Lodges.

Habits

- of the Eskimo, changing 46: 366.
- personal, of the Point Barrow Eskimo 9: 420 sq.

Haburi

- identification of 30: 119, 120.
- legends concerning 30: 119, 120, 122-125.

See also Hariwali; Yaperi-Kuli.

- Hackberry** 33: 76

- Hackia**, budding, a sign of wet 38: § 938.
- Hacus**, use of name by Niza 14: 575.
- Hādai'i**, a Caddo division 14: 1092.
- Haddon**, *Prof. Alfred C.*
on cat's cradle, Navaho 24: 767.
on Jamaican skulls 25: 30.
- Hadiwiwi**, four-stick game of the 24: 333.
- Hadley**, **Elwood**, agent for Pima 26: 34.
- Hadley**, **L. D.**, Kiowa paper published by 17: 389.
- Hadley**, **L. F.**, Kwapa linguistic work of 15: XLVIII.
- Hadu''i**, a man-being in Iroquoian cosmology 21: 197, 201.
- Haerberlin**, *Dr. Hermann K.*
assistance of, in preparing index 31: 32.
contributor to Bureau 48: 1189.
death of 39: 21.
excavations made by 34: 170.
notes of 41: 266, 269, 272, 275, 276, 287, 288, 290, 296 *sq.*, 298.
obituary of 48: 1221.
paper by, in conjunction with Dr. F. Boas 38: p. 14.
papers by 41: 119; 42: 17.
reference to 41: 265, 275, 284, 286, 289.
specimen figured by 34: 219.
work of 37: 19, 20, 21.
- Haeltzük**
habitat of 7: 129, 130.
population of 7: 131.
principal tribes of 7: 131.
- Haerne**, *Monseigneur D. de*, works of,
on sign language 1: 292.
- Haessler**, *Miss —*, work of 34: 21.
- Hafting**
of implements of shell 2: 203, 205, 211.
of stone implements 15: 112, 113.
shape of implements based on mode of 15: 98.
various methods of 13: 72.
- Hagar**, **Stansbury**
acknowledgment to 19: 13.
material collected by 24: 74.
on Cherokee myths 19: 431, 437, 441, 442, 443, 445, 447, 470, 476, 481.
- Hagar**, **Stansbury**—Continued
on dice game, Micmac 24: 74–77.
on football, Micmac 24: 698 *sq.*
on Ulûñsú'ti 19: 460.
- Hagenbeck**, **Carl**, material collected by 24: 155.
- Haha**. *See Noha.*
- Hahai**, appearance of, in Powamû festival 21: 71.
- Hahai wüqti**
a Hopi personage 15: 265, 280, 281, 297.
appearance of, in Palülüköñti 21: 53.
appearance of, in picture of Nakopan hoyá 21: 117.
appearance of, in Powamû festival 21: 35, 67.
description of 21: 68.
personation of, in Nacab kiva in 1893 21: 50.
- Hahali**. *See Thomas, Juan.*
- Hāhau'**, location of 14: 739.
- Hāhau' pûm**, sketch of the 14: 739.
- Hahawe**, (Hopi chief), on advent of clan at Walpi 19: 585.
- Hahnemann**, —, cited on *Stramonium* 30: 41.
- Hai-ai'nîma**, a Sanpoil synonym 14: 733.
- Haida**
boundaries 4: 66.
calendar 26: 426 *sq.*
divisions of the 7: 120.
games of the 26: 443, 445.
land-otter men 26: 457.
language of, related to Kolusehan 7: 120.
medicine men 26: 463 *sqq.*
method of land tenure 7: 40.
on history of Tlingit Teqoedi 26: 408.
population of 7: 121.
potlatches 26: 434 *sq.*
property women 26: 460.
researches among 23: XVIII.
study of social organization of 23: XXXIV.
superstitions of 26: 471.
terms of relationship 26: 424 *sq.*
use of labrets by 3: 82, 88.
use of masks by 3: 110–120.
version of salmon story 26: 458.
See also Haida Indian.

Haida Indian

- art among the 6: xli, xlii.
- basket work of the 10: 217.
- composite forms in pictographs of 10: 737.
- demon of the 10: 47.
- gambling sticks of the 10: 547 sq.
- games of the 24:
 - archery 395.
 - dice games 189 sq.
 - hand game 318 sq.
 - hoop and pole 517 sq.
 - jackstraws 730.
 - shinny 642.
 - stick games 259-263.
 - tops 747.
 - unclassified games 784.
- language, studies in 24: xx.
- linguistic material 30: 19.
- myths of the 10: 477 sq., 479.
- pictographs by 10: 217.
- proximity of Tsimshian and Tlingit 26: 476.
- relations with Tlingit 26: 411 sq., 414, 415, 423.
- researches among the 25: xvi sq.
- Sta'stas clan Masset 26: 411.
- supernatural beings of the 26: 451, 452, 454, 458.
- tattooing of the 10: 396-405.
- texts, preparation of 24: xxxii.
- thunder-birds of the 10: 485.
- totem post of 10: 684 sq.
- See also Haida.*

Haida (Kaigami) 24: 131, 246, 784.

Haida Language

- fear of 31: 255, 446.
- grammar of 26: xviii, xxi.
- relationship of, with Athapascan 26: 474, 485.
- relationship of, with Tlingit 26:
 - conclusions 485.
 - lexical similarities 475-485.
 - phonetics 472.
 - roots and stems 472 sqq.
 - structure of sentence 475.
 - word composition 474 sq.
- See also Haida Indian.*

Haida Village

- recommendation for preservation of 41: 26.
- restoration of 43: 12 sq.

Haight's Creek Mounds, location of 37: 99.

Hai'-ish, a Caddo division 14: 1092.

Hai'it, number names of 19: 871.

Hai'itcottam

- class of Pima medicine-men 26: 257.

See also Medicine-Men, Pima.

Hai-kees-kak-wee-lāh, Assiniboin wife of E. T. Denig 46: 277.

Haikutwotopoh, a mythical character of the Konkan 24: 296 sq.

Hail

- symbolism of, in Ghost dance 14: 789.
- terms relating to 29: 58.

Haile, Father Berard

- material collected by 24: 93.
- on archery, Navaho 24: 385 sq.
- on ball race, Navaho 24: 668.
- on baseball, Navaho 24: 789 sq.
- on cat's cradle, Navaho 24: 766.
- on dice games, Navaho 24: 92 sq., 96 sq.
- on hoop and pole, Navaho 24: 457 sq., 459.
- on shinny, Navaho 24: 624.
- on unclassified games, Navaho 24: 781.

Hailstones

- effect of, in Coronado's camp 14: 506.
- life symbols 36: 134.

Hailtzuk

- population of 7: 105.
- See also Haeltzuk.*

Haimara

- caught by hand 38: § 185.
- caught by spring hook 38: § 197.

Hai'nai

- a Caddo division 14: 1092.
- Ghost songs of the 14: 1099.

Haines' Mission

- clans of 26: 413.
- Tlingit settlements of 26: 397.

Haiowa Gum

- mention of 38: § 23.
- use of, for torches 38: § 5.

Hair

- armlets 38: § 540.
- arrangement of, as a sign of mourning 40: 360, 485.
- arrangement of, in pictures of Hopi katchinas 21: 42, 70, 73, 74, 82, 85, 88, 89, 93, 94, 113, 115, 117, 118.

Hair—Continued

- articles made of 42: 690.
- artificial coloration of 42: 684.
- belts 38: § 543.
- buffalo, use of, in medicine 14: 980, 981, 1033.
- care of, among Pima 26: 158 sq., 183.
- cedar bark used as, in dress of Hopi kateinas 21: 86.
- child's, singeing of 35: 653, 671, 825, 827.
- ceremonial washing of 47: 286, 291, 295, 506, 776, 874, 894.
- combing of 38: § 833, 888.
- combing of, restrictions on 30: 312, 313.
- combs, pins, etc. 38: § 517.
- crimping of 45: 86.
- cutting of 38: § 277, 516, 831, 847, 860, 864, 865; 46: 83.
- cutting of, as a mortuary custom 14: 782; 31: 534.
- Eskimo 18: 26, 28; 46: 161.
- Eskimo, ceremonial objects made of 18: 396.
- Eskimo, methods of dressing 18: 57 sq.
- Eskimo, methods of wearing 9: 140 sqq.
- Eskimo, toys made of 18: 343.
- facial 42: 683.
- human, woven by the Hopi 17: 630.
- indicating number of people who die 32: 625.
- indicative of a large number 38: § 940.
- manner of dressing 42: 525.
- medicine for removing 30: 44.
- methods of wearing, shown by Ohio Valley figurines 20: 184.
- method of wearing, Tsimshian 31: 398.
- oil for 35: 1224.
- of dog 35: 1317.
- on masks 47: 863.
- ornament for 45: 82 sq.
- ornaments, Eskimo 18: 57 sq.
- plucking of, by the Menomini 14: 210.
- removal of 42: 683.
- representation of, in death's-head vases 20: 98.

Hair—Continued

- restrictions concerning 40: 257, 307, 360.
- sacred 33: 645.
- Seri 17: 139* sq.
- Seri use of, in making cord 17: 227* sqq.
- Serian and Yuman names for 17: 324*–327*.
- symbolism of, when decorating clothing 46: 560.
- topknot worn by men 31: 398.
- use of, as a quiver 42: 684, 693.
- use of brushes of, in pottery decoration 20: 67, 86.
- use of, for fringes 45: 68.
- use of, for producing abortion 14: 286.
- use of, in weaving 13: 22, 24, 25, 28, 36.
- Western Eskimo 46: 213–228.
- See also* **Hair-cutting**; **Hair-dressing**; **Hair, Human**; **Horsehair**; **Human Hair**; etc.
- Hair and Wigs**, use of, by Indian medicine-men 9: 474 sq.
- Hair-brushes**, blue grama used for 30: 83.
- Hair-cutting**
 - according to gens 43: 87–94.
 - after death 35: 709.
 - as a mourning custom 14: 241; 35: 603.
 - of maturing girl 35: 701.
 - of mother of infant 35: 655.
 - Omaha totemic 43: 87.
 - symbolic cone flower 43: 91.
 - symbolic of throat-cutting 35: 709.
- Hair Dance**, description of 42: 534.
- Hair-dressing**
 - female 47: 232, 867.
 - Guiana Indian 38: § 515.
 - in Hopi ceremony 15: 275.
 - male 47: 232, 867.
 - of the ancient Zuñi 13: 358.
 - of the Chickasaw 44: 241.
 - of the Flathead tribes 45: 341.
 - of the Hopi 15: 265; 17: 661, 663.
 - of the Kiowa 17: 150.
 - of the Pawnee 17: 290.
 - of the Pueblo women 14: 517.

Hair-dressing—Continued

- of the Seri 17: 226* sq.
- of the Southeast (Choctaw, etc.)
42: 683 sq.
- of the tribes of Upper Missouri
46: 554.
- of the Winnebago 37: 109.
- of Tusayan 8: 37.
- styles of 45: 83-86, 236.
- symbolism of 43: 54, 55.

See also **Hair**.

Hair, Human

- ceremony of cutting 27: 122-128.
- connection of, with life of individual
27: 123, 124.
- in Thunder ceremony 27: 143.
- lock of, from boy's head 27: 613.
- manner of wearing 27: 350, 352.
- Osage, Ponca, Sioux 27: 132.
- symbolic cutting of 27: 42-46, 198.
- use of, with pipe of Sacred Pole
27: 227.

See also **Hair**; etc.; **Hair-dressing**;
Human Hair; **Scalp Lock**;
Scalps.

Hair-line

- for fish-hooks 35: 179.
- mention of 35: 158.

Hair Plucking among Siouan Indians
15: 185.**Hair Rope**, Kwakiutl 35: 664.**Hairi**, *Lonchocarpus* sp.

- as fish poison 38: § 210.
- cultivation of 38: § 246.
- legend of 38: § 600.

Hairi Tree

- origin of 30: 234.
- spirits associated with 30: 228, 233.

Hairiballi, alleged fish poison 38:
§ 214.**Hairy Bear**, on part of Wa'waⁿ cer-
emony 27: 401.**Hairy Men**, a Cheyenne division
14: 1025.**Haiti**

- archeological reconnaissances in 25:
xxvii.
- juegos de bola in 25: 79.
- location of 25: 21.
- pestles from 34: 227.
- religious and ceremonial use of color
in 10: 628.
- visit of Dr. J. W. Fewkes to 25: 17.

Haitians

- agriculture of the 25: 50 sq.
- as potters 25: 189.
- chief authorities on 25: 19 sq.
- culture of 25: 27, 178 sq., 215.
- dress of the 25: 34.
- house of the 25: 41, 42 sq., 46.
- idols of the 25: 146.
- language of the 25: 77, 78.
- myths of the 25: 73 sq.
- physical characteristics of the 25:
28-31.
- relationship of, with Borinqueños
25: 26.
- religion of the 25: 131, 201.
- researches of Dr. J. W. Fewkes
among 25: 19 sqq.
- resistance of, to Spaniards 25: 31.
- rites and ceremonies of the 25:
64-72.
- skeletal remains of the 25: 29, 30.
- slavery among the 25: 25.
- wood carving of the 25: 210.
- zemis* of the 25: 54, 58, 197.

Haitisiki. *See* **Gaápiatañ**.**Hakluyt, Richard**

- cited 12: 614.
- omissions in translation of Coro-
nado's letter by 14: 563.
- on Acoma 29: 543.
- on Indian sieves 13: 17.
- on Ulloa's explorations 17: 52, 53.
- on Zuñi name for Acoma 14: 490,
560, 575.
- on Zuñi name for Acoma people
14: 490, 575.
- quotation from 14: 554, 558, 560.
- translation of Coronado's letter by
14: 552.

Hakluyt Society Publications, on
Pecos 29: 476.**Hako Ceremony**

- antiquity and wide prevalence of
22, ii: 279, 280.
- arrangement of paper on 22, ii:
16.
- diagram of son's lodge during 22,
ii: 105.
- diagram showing movements of
father's party during 22, ii: 67.
- exchange of commodities through
22, ii: 281.
- harmonious structure of 22, ii: 282.

Hako Ceremony—Continued

- initial rites of 22, ii: 27-48, 283-291.
- meaning of 22, ii: 24, 26.
- names of 22, ii: 17, 18.
- origin of 22, ii: 279, 330.
- Pawnee, monograph on 23: xvi, xxxviii, xliii.
- Pawnee, reference to 27: 74, 380.
- personnel of 22, ii: 18, 19.
- preparation for 22, ii: 26-58.
- preparation of, scheme of 22, ii: 24.
- public rites of 22, ii: 105-183, 313-339.
- purposes of 22, ii: 49, 50, 280, 287.
- rendition and explanation of, by the Kurahus 22, ii: 26.
- requisites of 22, ii: 19-23.
- rhythmic expression in 22, ii: 282, 283.
- sacred objects of, care of 22, ii: 100.
- sacred objects of, vivification of 22, ii: 58, 59, 295, 296.
- scheme of 22, ii: 24 *sq.*
- secret rites of 22, ii: 183-247, 339-359.
- symbolism of 22, ii: 20-23, 280, 281, 361, 362.
- time of 22, ii: 23, 24.
- unvarying sequence of 22, ii: 282.
- work of, division of, among members of Hako party 22, ii: 100.

Hako Ritual

- of the Pawnee, mention of 21: xxxi.
- of the Pawnee, work of Miss Fletcher on 22, i: xiv, xxxvii, xlv.

Haksi, meaning of the word 42: 338 *sq.***Hakto**

- description of picture of 21: 60.
- representation of, in Pamürti 21: 27, 28.

Hak'ulâ'q, Tsimshian myth of 31: 221-225.**Halbert, Henry S.**

- acknowledgment to 34: 14.
- editorial work of 34: 26.
- See also* Swanton, J. R., and Halbert.

Haldemann, S. S., description of shell beads by 2: 227, 230,**Hale, E. E.**

- Natick dictionary obtained through 20: xxi.
- petitions for Casa Grande repairs 15: ciii.
- Trumbull dictionary obtained through 21: xxv, xxvi.

Hale, Horatio

- acknowledgment to 14: xliii.
- authority for Iroquois myth of the Thunderers 2: 55.
- classification and habitat of Wailatpuan tribes by 7: 127.
- discovery of branches of Athapaskan family in Oregon by 7: 52.
- explorations of Iroquoian province by 20: 159.
- linguistic literature of 7: 14, 25.
- linguistic work of 15: xcvi.
- on certain Pujunan tribes 7: 99, 100.
- on Cherokee linguistic relationship 19: 16.
- on Cherokee migrations 19: 191.
- on early home of Siouan stock 19: 1043.
- on former Siouan habitat 15: 173.
- on Indian names 4: 98.
- on Iroquois migrations 19: 189.
- on linguistic evidence of migration 15: 199.
- on Mohawk signs 1: 327.
- on the affinity of Cherokee to Iroquois 7: 77.
- on the derivation of "Iroquois" 7: 77.
- on the "Kaus or Kwokwoos" 7: 89.
- on the Palaihnihan 7: 97.
- on the Sastean family 7: 106.
- on the Talatui 7: 92.
- on the Yakonan family 7: 134.
- on Tutelo and Dakota resemblances 15: 159.
- Salishan researches of 7: 104.
- Siouan language studied by 15: 168.
- theory of, as to clans 17: 227.
- Tutelo studies of 7: 114; 13: xxxix.

Hale, Lieut. H. E.

- in Sioux outbreak 14: 862.
- ordered to arrest Sitting Bull 14: 862.

Hale, Lieut. H. E.—Continued

Sitting Bull fugitives arrested by
14: 863.

Halemano, mention of 33: 312, 321,
327, 618, 619, 622, 629, 654.

Hales, H., pottery collected by 22, i:
180.

Hale's Point, Tenn.

earthen burial casket from 20: 38.
pottery from 4: 423.
trail to 42: 854.

See also Tennessee.

Half-blood Eskimo, characteristics of
18: 28, 29.

Half-breed, Tewa names of 29: 575.

"Half-Marriage," characters of 17:
285*.

Half-Moon Lick, remains found at
42: 808.

Halftown, Truman, Seneca informant
32: 50.

Halian, acknowledgment to 30: 38.

Haliburton, —, acknowledgment to
19: 13.

Halibut

among the Kwakiutl 35:
apron 248.
beliefs concerning 247, 1324.
blistered half-dried 363.
boiled dried 364.
bones gathered after meal 358.
bones thrown into water 246.
cutting of 240–250.
dried 360.
dried apron 248.
dried fins of 248.
dried head of 248.
dried stomach of 248.
dried tail of 248.
drying of 249 *sqq.*
eaten with seal blubber 463.
eggs, boiled 368.
edges, Newetsee names of 379.
edges, roasted 370.
fins, boiled 247.
fins, soaked dried 375.
first of season 247.
fisher, prayer of 1320–1327.
fishing, bait for 1320.
head dried 371.
heads and backbone, fresh 357.
intestines 245, 247.
methods of hauling ashore 1323.
middle piece of 378,

Halibut—Continued

among the Kwakiutl 35—contd.

preserving 241–252.

ribs of 248.

rough edges of 248.

skin and meat 361.

skin poked 367.

soaked in canoe 271, 272, 275.

spawn 377, 378.

stomach, dried, boiled and soaked
373.

tips 359.

treatment of stomach when fresh
245.

among the Tlingit 26:

crest animal 423.

customs concerning 458 *sq.*

house-group name 402, 403, 405.

name of gaming stick 444.

source of personal names 422.

Haliotis Shells

ornaments of 28: 143.

Pueblo articles made of 22, i: 92,
representation of, in Hopi pictures
21: 119.

use of, as vessels 2: 189, 191.

use of, in manufacturing beads 2:
225, 227.

use of, in manufacturing fishhooks
2: 209.

use of, in pendants 2: 209, 261.

use of, in trade 2: 191.

Halitane, a synonym of Comanche
14: 1043.

Hall, Capt. Charles Francis

acknowledgment to 6: 409.

cited 6: 411, 422, 432, 442, 443,
444, 445, 446, 447, 448, 449, 450,
452, 456, 457, 459, 462, 463, 464,
486, 499, 503, 509, 547, 578, 583,
589, 594, 595, 596, 601, 602, 606,
607, 608, 611, 614, 615, 639.

material collected by 24: 546, 547.

on cat's cradle, Central Eskimo 24:
767 *sq.*

on dice game, Central Eskimo 24:
102.

on Eskimo sledge shoes 9: 353.

on Eskimo whale fishery 9: 274.

on ring and pin, Central Eskimo
24: 546.

pottery obtained by 4: 382, 429.

works of, consulted 9: 22.

See also McKenney and Hall.

- Hall, Charles T.**, information furnished by 44: 64.
- Hall, Edward**, acknowledgments to 25: 121 *sq.*, 143.
- Hall, Rev. James**, shooting of negro by, by mistake 19: 52.
- Hall, J. Lee**
Kiowa agent in 1885 17: 226
Kiowa agent in 1887 17: 220.
restoration of quiet among Kiowa by 17: 357.
- Hall, Susan W.**, on double-ball, Arikara 24: 657.
- Halla**, Arawak name for wooden bench 38: § 328.
- "Hallelujah,"** of the Creeks 1: 195.
- Haller, —**, cited 30: 42.
- Halley's Bluff**, an Indian village site 41: 66.
- Hallock, Charles**
cited 10: 33.
petroglyphs reported by 10: 116.
pictographs described by 10: 42, 43.
pictographs reported by 10: 90.
- Hallock, W.**, on Chiriquian methods of casting 6: 38.
- Hallowell, Dr. A. I.**, reference to 43: 256.
- Hall's Landing**, pestle found at 15: 103.
- Hä'lo'kwe**, *Ant Fraternity* of the Zuñi 23: 528 *sqq.*
organization of the 23: 410.
- Halona**
a town of Cibola 13: 327, 332.
description of 8: 88, 89.
destruction of church at 13: 330.
mission established at 13: 327, 329.
remains of, the nucleus of Zuñi 8: 97, 98.
stone-close at, description of 8: 193.
walls of, the nucleus of modern Zuñi 8: 138.
- Halonawan**, settlement at 13: 429.
- Halt!** signals for 1: 530, 535.
- Halters** of the Omaha 13: 280.
- Halus.** *See* Tsauda.
- Halves, Cult of the** 19: 843-847.
- "Halving"** of timbers in Kiva trap frames 8: 206.
- Hamaca** of Santo Domingo 38: § 458.
- Hamats**, custom of biting among 10: 407.
- Hambley, Colonel —**, on seat of government 42: 310.
- Hambruch, P.** 46: 369.
- Hamefku'ttelli**, a Pit River band 14: 1052.
- Hamilton, —**, on Fort Mims massacre 19: 216.
- Hamilton, Governor —**, project of, for uniting Indians in attack on American frontier 19: 55.
- Hamilton, Alexander**, protest by, cited 18: 543.
- Hamilton, H. P.**
acknowledgment to 20: 17.
pottery collected by 20: 195.
- Hamilton, William**
on Indian beliefs 11: 419, 423, 524.
on prayer-stick symbolism 14: 699.
- Hamilton, Rev. William**
Iowa gentes given by 15: 238.
on cannibalism of Iowas 3: 272.
on gray-haired Omaha children 3: 275.
on Omaha customs after childbirth 3: 264.
- Hamilton Manuscript**, cited 7: 54.
- Hamilton Pictured Rock** 4: 225 *sq.*
- Hammers**
grooved, from St. Vincent region 34: 101 *sq.*
of the Eskimo 9: 182; 18: 75.
of the Kwakiutl 35: 267, 270.
round stones used as 13: 97.
stone 45: 41, 207.
stone, Casa Grande 28: 124 *sq.*
stone, from Wolpi 2: 375.
stone, from Zuñi 2: 337.
- Hammerstones**
at South Mountain 15: 75.
description of 13: 94; 15: 103, 104.
distribution of 15: 141, 142.
flint, presented to Bureau 47: 13.
found at Little Falls 15: 68.
found in Ohio 13: xxvii.
of the Kwakiutl 35: 506, 510.
- Hammocks**
bringing in of, significance of 30: 313.
for restraining drunken people 38: § 280.

Hammocks—Continued

- introduction of, among the Omaha 13: 275.
- manufacture of, Guiana Indian 38: p. 381-399.
- of the Menomini 14: 258.
- ropes for 38: § 71.
- string figures of 38: § 652, 678, 679.
- superstitions concerning 30: 303.
- woman's share in making of 38: § 901.

Hammond, Dr. J. F., on burial lodges 1: 154.

Hamoawi, four-stick game of the 24: 333.

Hampassawan, description of 8: 83 sqq.

Hämshämts!es

- assistants of 35: 1168, 1171, 1175.
- bites spectators 35: 1127.
- ceremony of Kwāgru! 35: 1176.
- dance of 35: 1000, 1086, 1127, 1171 sq., 1174 sq.
- mention of 35: 876, 877, 902, 943, 947 sq., 996, 1132, 1135, 1148, 1158 sq.

Hamstrings, Indian custom of removing 19: 447.

Hamy, E. T. 46: 234, 237, 330, 332, 338, 348, 350, 354, 371.

Han Kutcin, hand game of the 24: 272.

Hanaaumoe 33: 662.

Hänä'chä-thi'äk

Arapaho name of Sitting Bull 14: 894.

See also **Sitting Bull**.

Ha'nahawunëna, an Arapaho division 14: 956.

Hanaqua, taming of 38: § 724.

Hance's Ranch, pictograph boulder near 17: 545.

Hancock, Gen. W. S.

destruction of Cheyenne village by 17: 183.

Kiowa name for 17: 321.

presence of, at Medicine Lodge treaty 17: 31.

presence of Set-t'añite with, in 1867 17: 207.

Hand

decorations representing, Apalachee-Ohio pottery 20: 180.

figure of, on Matia mask 21: 104.

Hand—Continued

figures on Sikyatki pottery 17: 666 sqq., 728.

positions, types of 1: 547.

Serian and Yuman names of 17: 330* sqq.

use of, in modeling and finishing, eastern United States pottery 20: 50, 51, 54, 68, 73.

use of, in modeling and finishing, Middle Mississippi Valley pottery 20: 84.

See also **Decoration; Hands; Manufacture; Modeling.**

Hand-and-Foot Ball

description of 24: 561, 704 sq.

played by the 24:

- Arapaho 705.
- Assiniboin 705, 707.
- Cheyenne 705 sq.
- Crows 705, 707.
- Eskimo, Western 706 sq.
- Gros Ventres 705, 706.
- Mandan 705, 707.
- Winnebago 705, 708.

Hand Ball

game of 47: 240.

played by the Eskimo 18: 336 sq.

Hand Game

general description of 24: 44, 267.

implements for 24: 33.

origin of 24: 32.

played by the 24:

- Achomawi 307.
- Algonkin 273.
- Algonkin stock 273.
- Arapaho 268, 276.
- Arikara 276.
- Assiniboin 276, 316 sq.
- Babine 273.
- Bannock 307 sqq.
- Bellacoola 299.
- Blackfeet 269, 276, 305, 317.
- Calapooya 283 sqq.
- California tribes 267.
- Cheyenne 276.
- Chileat 287 sq.
- Chinook 281 sq., 300.
- Chipewayan 272.
- Chowchilla 294.
- Clallam 299.
- Clatsop 282.
- Clayoquot 319.
- Cocopa 326.

Hand Game—Continued

played by the 24—continued

- Comanche 309.
- Cree 270, 273, 316.
- Crows 317.
- Dakota (Yankton) 267.
- Dalles Indians 307.
- Eskimo 705.
- Eskimo, Labrador 283.
- Etchareottine 272.
- Grosventres 270 *sq.*, 276.
- Gualala 289.
- Haida 318 *sq.*, 320.
- Han Kutchin 272.
- Hidatsa 272.
- Huchnom 323.
- Kawchodinne 272
- Kawia 310.
- Kiowa 284 *sq.*
- Klamath 291 *sqq.*
- Klikitat 307.
- Konkan 296 *sq.*
- Kutchin 272.
- Kutenai 276, 285 *sqq.*
- Kwakiutl 319, 320, 321.
- Maidu 297 *sq.*
- Makah 321 *sq.*
- Mission Indians 325 *sq.*
- Modoc 293.
- Mohave 326 *sq.*
- Mono 310, 311.
- Nez Percés 304 *sq.*
- Nishinam 298.
- Niska 281.
- Nisqualli 299, 300.
- Nootka 322.
- Okanagan 300 *sq.*
- Ololopa 299.
- Paiute 311 *sq.*
- Papago 295.
- Pawnee 269, 274 *sqq.*
- Penelakut 301.
- Piegan 271.
- Pima 267, 295 *sq.*
- Pomo 289 *sqq.*
- Puyallup 302.
- Rumsen 283.
- Saboba 313.
- Salishan 273.
- Sarsi 272.
- Sekani 273.
- Shoshoni 276, 309, 313, 314.
- Shuswap 302.
- Songish 302.
- Takulli 272 *sqq.*

Hand Game—Continued

played by the 24—continued

- Thompson Indians 302 *sq.*
- Tlingit 288 *sq.*
- Tobikhar 314 *sq.*
- Topinagugim 294 *sq.*
- Tsimshian 273.
- Twana 303 *sq.*
- Uinta Ute 315.
- Umatilla 305 *sq.*
- Umpqua 274.
- Ute 276.
- Wasco 282.
- Washo 322.
- Wichita 267, 276–281.
- Wintun 283.
- Yakima 307.
- Yampa Ute 315.
- Yokuts 293 *sq.*
- Yuma 326, 327.
- playing of the 45: 131.
- Hand-holds**, cut in faces of cliffs 8: 191.
- Hand Katcina.** *See* **Matia.**
- Hand Net**
 - Guiana Indian 38: § 201.
 - See also* **Landing Net.**
- "Hand of Glory,"** superstitions concerning 9: 486.
- Hand-shaking**, connection of, with signs 1: 385.
- Hand Stones**, Casa Grande 28: 126.
- Hand Symbol** in the codices 16: 232.
- Hand Tablet Dance**, of the Hopi 21: 23.
- Handbook of American Indians**
 - demand for 34: 27.
 - mention of 24: x, xvii, xix, xx, xxiii–xxvi; 25: x, xvii, xix, xx; 30: 10, 16, 18, 19, 20, 21.
 - Part I issued 28: 19.
 - preparation of 28: 10, 11, 13 *sq.*, 15, 16, 19; 29: 10, 11 *sqq.*, 17, 18, 21, 22.
 - progress of 26: ix *sq.*, xii, xiii, xvi *sq.*, xxi, xxiii–xxvi, xxix, xxxi; 27: 7, 8, 9, 12, 13.
 - reference to 28: 226.
- Handbook of Indian Languages**
 - cited as to Fox 28: 227.
 - description of 26: xviii, xxi *sq.*
 - mention of 25: x, xix *sq.*; 31: 18.
 - preparation of 29: 18, 22.
 - work on 27: 9.

- Handbooks** in preparation 30: 10.
- Handfasting**, comparison of, with Seri marriage custom 17: 285*.
- Handkerchief Rock**, Tazewell County, Virginia 10: 122.
- Handled Group** of Chiriquian pottery 6: 90-97.
- Handled Vessels** 4: 271, 306, 314, 319, 325, 346, 393.
- Handles**
- Apalachee-Ohio pottery 20: 180, 181, 182.
 - Catawba method of adding 20: 54.
 - drag, Eskimo 18: 172.
 - eastern United States pottery, method of modeling 20: 51.
 - Florida Peninsula pottery 20: 127, 128.
 - Florida Peninsula, rarity of 20: 118.
 - for Eskimo boxes and baskets 18: 100-103.
 - for Eskimo drill cords 9: 180; 18: 82.
 - for Eskimo drums 9: 386.
 - for Eskimo fish nets 18: 189.
 - for Eskimo floats 18: 145.
 - for Eskimo seal drags 9: 257 *sqq.*
 - for Eskimo skin scrapers 18: 114.
 - for Eskimo tool bags 9: 190; 18: 93.
 - for Eskimo work boxes and water buckets 18: 100-103.
 - for vessels 34: 71-74, 237.
 - Gulf Coast pottery 20: 105, 106.
 - how fastened to axes 13: 63.
 - Iroquoian province, rarity of 20: 162.
 - Middle Mississippi Valley pottery 20: 88, 89, 90, 94.
 - Northwestern pottery 20: 198, 199, 200.
 - of baskets 41: 194 *sq.*
 - Ohio Valley pottery 20: 184 *sq.*
 - Piedmont Virginia pottery 20: 149, 150.
 - Potomac-Chesapeake province, absence of 20: 151.
 - Potomac-Chesapeake province, modes resembling 20: 157.
 - South Appalachian pottery 20: 144.
- Handley, Capt. Samuel**, capture and release of 19: 74.
- Handley, T. B.**, survey by 18: 946.
- Hands**
- cleaning of, for meals 38: § 275.
 - Eskimo 46: 245, 249, 253, 359.
 - game of the Blackfeet 24: 269.
 - game of the Western tribes 24: 276.
 - gestures and salutations 38: § 806.
 - Seri habitual use of 17: 152* *sqq.*
 - symbolic use of 15: 263.
 - Western Eskimo 46: 215-227.
 - Yukon Indian 46: 162, 245.
- See also Hand.*
- Hanega**, population of 7: 87.
- Hanford, Judge** —, decision of, in land severalty case 14: 757.
- Hanga**
- a division of the Omaha 37: 181.
 - a division of the Osage 37: 181.
- Hañga Gens**
- ceremony at death 3: 233.
 - mythical origin of 3: 233.
 - names of the 3: 236.
 - regulation of buffalo hunt by 3: 284.
 - regulation of certain feasts by 3: 272.
 - regulation of cultivation of the ground by 3: 302.
 - regulation of sacred pipes by 3: 221-224.
 - sacred pole of the 3: 234.
 - sacred tents of the 3: 233.
 - style of wearing the hair of 3: 235.
 - subgentes of the 3: 235.
 - taboo of 3: 235.
- Hanging**, a means of suicide 38: § 732.
- Hanging Chair** for babies 38: § 913.
- Hanging Maw**
- capture of Creek murderer by order of 19: 77.
 - conference at Tellico attended by 19: 79.
 - expedition against Creeks under 19: 77.
 - killing of wife of 19: 74.
 - wounding of 19: 74.
- Hanging Rock**, limestone, area of 44: 507.
- Hanging Tray**
- circular 38: § 411.
 - rectangular 38: § 407.
- Hanging Trick**, string figure of 38: § 711, 712.

Hangman's Rope, superstitions concerning 9: 574, 575.

Han'hlipink'ya, in Zuni mythology 13: 424.

Hani, personification of pipe lighter by 21: 30.

Hani', Hopi Tobacco clan chief, reference to 19: 579.

Hanmdepi, practice of 11: 437.

Hanna, Okla., Okchai square ground near 42: 589.

Hano

a Tusayan village 14: 519.

absence of Snake ceremony at 16: 273.

Asa group occupy site of 8: 30.

Buffalo dance at 21: 31, 43.

comparison of, with Walpi 17: 642.

corn planting in plaza kiva of 21: 52.

derivation of name of 29: 570.

description of 8: 61, 62.

direction of kivas of 8: 115.

East Mesa Natacka masks in 21: 70.

extinction of Sun clan of 21: 57.

gathering of Palülüköñti katchinas at 21: 52.

Hopi katchinas derived from 21: 126.

house of Plumed Snake of 21: 51.
in 1782 17: 579.

kiva, ownership of 8: 134.

kivas, list of 8: 136.

legend of 28: 49.

location of, in Hopi country 19: 579.

occupation of, by the Tewa 29: 37.
planting of beans at 21: 31.

pottery of 28: 159.

Powamû child flogging at 21: 36, 69.

resemblance between Walpi Sumaikoli celebration and that held at 21: 55.

resemblance of Walpi drama to that of 21: 42.

rude transom over roof beam in 8: 187.

sealed openings in 8: 199.

serpent effigies owned by 21: 51.

shrine on trail to 21: 33.

Sumaikoli and Kawikoli masks in 21: 96.

Hano—Continued

Sumaikoli summer ceremony at 21: 57.

traditions regarding settlement in Tusayan 8: 35.

when established 17: 636.

worship of war gods of 21: 21, 25, 26.

Yohozro claimed by 21: 84.

Hano Clans

advent of, at Walpi 19: 585.

descendants of Tewa clans 19: 614.

introduction of East Mesa Natackas into Tusayan by 21: 71.

migrations and census of 19: 614-622.

names and locations of 19: 615 *sq.*

Hano-muh

definition of 8: 36.

the inhabitants of Hano 8: 17.

Hano Names for Hopi katchinas 21: 122 *sqq.*

Hano People

chief in Walpi 19: 601.

length of time spent in Tusayan by the 8: 35.

received by the Tusayan 8: 36.

trouble between Walpi and the 8: 37.

Hano Pueblo, origin, language, and culture of 19: 633.

Hano Ritual, description of 29: 632 *sq.*

Hâñpôko, Kiowa name for 17: 255.

Hansen, C. C. 46: 308, 312, 326, 333, 339, 359, 369.

Hansen, S. 46: 230, 231, 306, 307, 312, 369.

Hanson, —

abandonment of reserve by 18: 795.

reports concerning California Indians by 18: 851.

Hanson, Fritz, pouch made by 47: 14.

Hantéwa, a Pit River band 14: 1052.

Hâñt'ögyä-k'ía, death of 17: 294.

Hanuman, a Hindu monkey god 16: 221.

Hanura, white crane, at Makuari dance 38: § 843.

Hâñzephó'da, death of 17: 313.

Happy Hunting Ground, mention of 42: 513.

- Ha'qihana**, an Arapaho division 14: 590.
- Haral**. *See* **Haxa**.
- Harale**, description of, told to Coronado 14: 576.
- Hard Labor**, treaty of 19: 46, 203.
- Hard-Mush**
 death of 19: 145.
 on Iroquois peace embassy 19: 353, 355, 356.
 treaty with Texas signed by 19: 144.
- Hard Walker**, mystery decoration of 11: 399.
- Hardacre, E. C.**, on ruins in Canyon de Chelly 16: 80.
- Harden, E. J.**, on events leading to Removal 19: 125.
- Harden, William**
 acknowledgment to 19: 13.
 gift of vases to Bureau of Ethnology by 20: 136.
- Hardhack**, medicinal use of 43: 266.
- Hardihood** of the Eskimo 18: 29.
- Hardin, A. B.**, information given by 33: 161.
- Hardin, Joseph**, survey of Cherokee boundary by 5: 156.
- Hardin County, Tenn.**, flint in 44: 520 *sq.*
- Harding, H. T.**, work of 43: 12.
- Hardisty, William Lucas**
 letter of, regarding Rat Indians 9: 50 *sq.*
 on log burial in trees 1: 166.
 quoted on Loucheux organization 31: 478 *sq.*
- Hardshaw, Alfred**, aboriginal workshop on farm of 44: 526 *sq.*
- Hardy, —**, letter on English Indian policy by 18: 555.
- Hardy, R. W. H.**
 adoption of, among the Seri 17: 277* *sq.*
 explorations in Seriland by 17: 85 *sq.*
 map by 17: 86.
 on Seri arrow-poisoning 17: 87.
 on Seri character 17: 85 *sqq.*
 on Seri decoration 17: 170*.
 on Seri fishing devices 17: 193*.
 on Seri marriage 17: 87.
 on Seri medicine bag 17: 86 *sq.*
 on Seri navigation 17: 86.
- Hardy, R. W. H.**—Continued
 on Seri physique, dress, and implements 17: 86.
 on Seri population 17: 135*.
 on Seri tribal relations 17: 87.
 on Seri turtle fishing 17: 188*.
- Hardy and Sheetz**
 explorations by, in Missouri 12: 551.
 on Missouri mounds 5: 42.
- Hardy, Ariz.**, ruin examined near 22, i: 23, 31.
- Hare, Bishop W. H.**
 on causes of Sioux outbreak 14: 840.
 on deficiency of Sioux rations 14: 827.
- Hare**
 a man-being in Iroquoian cosmology 21: 315.
 appearance of, in pictures of Hopi katchinas 21: 78.
 chase of, by the Seri 17: 190* *sq.*
 Eskimo clothing made from skin of 18: 35.
 Eskimo method of catching 18: 124.
 in Pima song 26: 301, 314.
 myths concerning the 11: 147, 263, 340.
See also **Jack Rabbit**.
- Hare Clan**. *See* **Sowi Clan**.
- Hare, the Hero**
 identification of, with Christ 37: 376.
 offerings to 37: 441, 542.
 world ruled by 37: 316.
- Harebell**, use of 44: 288, 362.
- Hare-eaters**, intermarriage of, with the Pima 26: 186.
- Harelip**. *See* **Poliákya**.
- Hariot, Thomas**
 illustration of pipe and tobacco pouch from 20: 158.
 illustration of use of earthen pot in boiling from 20: 26.
 on Indian agriculture 12: 616.
 on Indian costume 13: 22.
 on Indian fish weirs 13: 14.
 on Indian mat houses 13: 18.
 on Indian method of spinning 13: 23.
 on preparation of family food messes 20: 136.
 on Virginia Indian costume 15: 44.

- Hariot, Thomas**—Continued
tattoo designs from, Potomac-Chesapeake province 20: 151.
value of report of 41: 584.
- Hariwali**
identification of 30: 120.
legends concerning 30: 120 *sqq.*
See also Alubiri.
- Harjo, John**, mention of 42: 576.
- Harkins, G. W.**, letter to, concerning Choctaw reserve 18: 673.
- Harkness, H. O.**, cession including improvements of 18: 928.
- Harlan, James**, contract for sale of Cherokee neutral land by 5: 340, 349.
- Harley, Timothy**
on Eskimo myths 19: 441.
on primitive ideas concerning eclipses 19: 441.
- Harman, Capt. Henry**, pursuit of Indians by 42: 769.
- Harmon, Daniel W.**
on dependence of North Western Fur Company on wild rice 19: 1103.
on Ojibwa gathering wild rice 19: 1062.
on popular synonym for wild rice 19: 1023.
reference to 41: 133.
- Harmony, an Osage mission** 36: 44.
- Harmony**, development of 19: LXXII *sq.*
- Harness**
for dogs 11: 243.
for dogs, Eskimo 9: 358 *sqq.*; 18: 209 *sqq.*
of the Omaha 13: 280.
- Harney, Gen. W. S.**
cited 4: 121, 123.
commissioner to treat with Indians 5: 341.
treaty commissioner in 1867 17: 183, 207.
- Harper**, first voyage on the Tanana 46: 124.
- Harpers Ferry, W. Va.**
flint implements found near 15: 78.
ware of 20: 150.
- Harper's Magazine**, illustration of Vermont pottery in 20: 169.
- Harpeth River, Tenn.**
petroglyphs on 10: 114, 115.
remains on 41: 496.
- Harpeth River, Tenn.**—Continued
trail from settlements on 42: 852.
See also Big Harpeth River; Little Harpeth River.
- Harpokrates**, erroneous character for 1: 304.
- Harpoon**
as supernatural treasure 35: 818.
boxes of the Eskimo 9: 247-251.
for fishing, Tsimshian 31: 50.
Seri, iron points of 17: 247* *sq.*
Seri, original point of 17: 190*.
Seri, relation to arrow and fire-drill of 17: 198* *sq.*
use of, among the Northern Indians 11: 183, 240.
See also Harpoons.
- Harpoon Arrow**
Arawak name for 38: § 142.
Guiana Indian 38: § 190.
- Harpoon Heads**, points, fossil ivory 46: 174.
- Harpoon Spear**, Guiana Indian 38: § 148, 190.
- Harpoons**
Eskimo, for throwing 9: 218-233.
Eskimo, for throwing, retrieving 9: 230 *sq.*
Eskimo, for thrusting 9: 233-240.
Eskimo, mode of construction of 6: 489-494.
from Guadeloupe 34: 135.
See also Harpoon.
- Harpy Eagle**
feathers, use of, for arrows 38: § 132.
hunting of 38: § 176.
taming of 38: § 724.
- Harri-harri Flute** 38: § 560.
- Harriman, Tenn.**, trail from, to Lexington, Ky. 42: 842.
- Harrington, John Peabody**
acknowledgment to 30: 38.
appointment of 36: 34.
basket collected by 47: 13.
bulletin by 43: 16.
cited 33: 243.
collaboration of 34: 27.
contributor to Bureau 48: 1189.
papers by 34: 26; 36: 29, 30; 37: 27, 28; 44: 15 *sq.*
studies among Mohave Indians by 32: 10, 29.
water-basket secured by 41: 116.

- Harrington, John Peabody**—Contd.
 work of 29: 25; 34: 23; 36: 18 sq.; 37: 16; 38: p. 11; 39: 20; 40: 10 sq.; 41: 11, 33 sq., 58 sqq., 84 sqq., 107 sqq.; 42: 8 sqq.; 43: 5, 7 sqq.; 44: 5 sq.; 45: 3 sq.; 46: 4 sqq.; 47: 3 sqq.; 48: 7 sq.
- Harrington, M. R.**
 collections made by 34: 49, 240, 256.
 reference to 40: 502, 504.
- Harrington's**, treaty of 18: 706.
- Harris, Bird**, plan for emigration by 19: 156.
- Harris, Cyrus**
 governor of the Chickasaw Nation 44: 227.
 information obtained from 44: 214, 217, 227.
 translation by, of traditions 44: 176.
- Harris I. N.**, printer of Cherokee "Phoenix" 19: 111.
- Harris, Julian**, mention of 43: 213.
- Harris, J. C.**
 on character of rabbit in negro tales 19: 233.
 on negro myths 19: 448, 450, 452.
 on relation of Indian, negro and European myths 19: 234.
- Harris, Thaddeus M.**
 on Dorchester's Indian policy 18: 604.
 on mound builders 5: 82.
 on origin of the mounds 12: 598.
- Harris, W. Cornwallis**, quoted on magic cords 9: 574 sq.
- Harris, W. T.**, petitions for Casa Grande repair 15: ciii.
- Harrison, —**
 exploration of Iroquoian province by 20: 159.
 on early Tutelo habitat 7: 114.
- Harrison, Benjamin**, proclamation by, preventing lease of Cherokee strip 19: 153.
- Harrison, John**, conversion of 37: 392.
- Harrison, T.**, Menomini treaty commissioner 14: 21.
- Harrison, Gen. W. H.**
 capture of Prophet's Town by 19: 215.
- Harrison, Gen. W. H.**—Continued
 conference of Tecumtha with 14: 685, 686.
 mention of 42: 508.
 on Tecumtha 14: 686.
 on treaty pipe 14: 688.
- Harrison County, Ind.**, flint in 44: 522-530.
- Harrissee**, on Fernando Columbus's life of father 25: 55.
- Harrodsburg, Ky.**
 end of Wilderness Road 42: 800.
 oldest settlement in Kentucky 42: 800.
 trail to 42: 782.
- Harry, Jack**, Delaware delegate to Wovoka 14: 903.
- Ha'rsanykuk**, Pima village 26: 23.
- Harshaw Canyon**, mortar cavities in 26: 99.
- Harshberger, Dr. John W.**
 on reasons for study of ethnobotany 19: 1028.
 uses and correlations of ethnobotanic study 33: 54.
- Hart, J. C.**, on East Cherokee condition in 1897 19: 179.
- Hartman, —**, clay image figured by 25: 136.
- Hartman, C. V.**
 on ball race, Zuaque 24: 678.
 on dice game, Zuaque 24: 154.
 on hidden ball, Zuaque 24: 356 sq.
- Hartshorne, Hugh**, work of 28: 37.
- Hartsinck, J. J.**, on two-fingered negroes 30: 364.
- Hartt, Prof. C. F.**
 on forms of designs as influenced by structure of the eye 4: 463 sq.
 on Indian pottery in Brazil 4: 276.
- Hartwell, Capt. C. A.**, defeat of Cheyenne by 17: 212.
- Harvest**
 customs, curious, of the Omaha 3: 238.
 time, how determined in Zuñi 8: 148.
- Harvest Dance** 38: § 565, 585; 45: 387.
- Harvest Seasons** of the Pima 26: 35 sq.
- Has Viakam**, a trader among the Pima 26: 49.
- Hash's Ford**. See McClure's Ford.

- Hä'shi**, personator of 23: 96.
- Hasi'nai**
a Caddo synonym 14: 1092.
application of the term 14: 1093.
- Hasínai**, description of 28: 17.
- Hasi'ni**, a Caddo synonym 14: 1092.
- Hasjelti**, a Navaho god 24: 436, 437.
- Hasjelti and Hostjoghon**, mythical history of 8: 277.
- Hasjelti Dailjis**
and Navaho sand painting, notice of paper on 8: xxxiv sqq.
and Navaho sand painting, paper 8: 229-285.
- Hassa Fish**
leaf figures of 38: § 621.
pattern 38: § 351.
- Hassayampa Creek, Ariz.**, ruins on 28: 215, 218.
- Hastehogan**, a mythical gambler of the Navaho 24: 95 sq., 623 sq.
- Hastseiltsi (Hastseltsi)**, a Navaho god of racing 24: 804.
- Hat**
of the Kwakiutl 35: 208.
worn by the Eskimo in hunting 18: 167 sqq.
See also Cap; Feather Crown; etc.
- Hatcee tcaba**, a Red town 42: 255.
- Hatch, A. J.**, survey by 18: 817.
- Hatch.** *See Checker.*
- Hatchels**, use of, by the Eskimo in making thread 18: 110.
- Hatcher, J. B.**
collections made by 20: xxiv.
ethnologic material collected by 21: xii.
field work by 20: xi.
Patagonian collection made by 21: xxxiii.
work of 18: xxviii sq.; 19: xviii
- Hatchet-like Tools**, description of 15: 90.
- Hatchets**
buried with infants 44: 459.
found in burials 44: 454, 457, 461.
found in Hispaniola 34: 172.
stone, from Pueblo Viejo ruins, collection of 22, i: 183.
See also Celts.
- Hatchways**
habit of katecinas of calling down 21: 88.
- Hatchways—Continued**
to Pueblo houses 8: 110, 120, 121, 124, 127.
- Hatcinoñdoñ**, legend of 19: 362, 490 sq.
- Hâtcko-fâski Disease**, cause of 42: 649.
- Hâtckutcâp Disease**, cause of 42: 649.
- Hatco**, on Hano migrations 19: 614.
- Haters**, a Cheyenne division 14: 1025.
- Hă'thahu'ha**, an Arapaho warrior order 14: 987.
- Hatred**, sign of 30: 300 sq.
- Hatuey**, on gold as Spaniard's god 25: 211 sq.
- Hatze**, —, mention of 41: 54.
- Haudaunwaugh**, grant of land to 18: 686.
- Hauikalani** 33: 296, 310, 319, 324.
- Hauling**, boat over logs, falls, etc. 38: § 800, 801.
- Hau-Minako**, basket 38: § 418.
- Haumonté, J. D.**, on the Taensa 7: 96.
- Haunted Whirlpool**, legend of 19: 347.
- Hauyari Dance**
a funeral dance 38: § 844-847.
object of 30: 156.
- Havana**, archeological collections in 25: 19.
- Hâvany Kâs**, smallpox at 26: 55.
- Havas**, Antillean baskets 25: 212.
- Havasupai**
ancestors of 28: 185, 216.
cavate dwellings of ancestors of 22, i: 35 sq.
cavate lodges of 13: 224, 225.
cliff dwellings occupied by 17: 533.
dice games of 24: 200.
figure of Kohonimo derived from 21: 85.
Ghost dance among the 14: 654.
granary pockets of the 13: 350.
habitat and population of the 7: 138.
killing of, by the Kiowa 17: 165.
land cessions and reservations 18: 900, 902, 906.
relations with the Hopi 28: 219.
See also Cohonimo.

- Havasupai Basket**, contains paho, at Walpi Snake altar 19: 983.
- Haven, S. F.**, quoted 5: 82.
- Haven, Samuel H.**, on mound-builders 12: 600.
- Haverhill**, purchase of land by 18: 606.
- Haw Old Fields**, Sissipahaw settlement at 42: 776.
- Hawaii**
 account books used by natives of 10: 226 sq.
 archeological work in 41: 40-48.
 bibliography of 30: 17.
 list of works relating to 32: 29.
- Hawaiian**
 and Central American linguistic similarities 16: 236.
 and Zapotec terms, comparison of 16: 262.
 mythology, monsters in 16: 214.
- Hawaiian Bibliography**, preparation of 28: 11 sq.; 29: 17 sq., 19.
- Hawes, George W.**, description of rock paintings by 1: 320.
- Hawikuh**
 a Cibola town 13: 326.
 abandonment of 13: 329.
 capture of, by Coronado 14: LVII.
 description of 8: 80, 81.
 excavations made at 38: p. 1; 39: 10.
 former importance of 14: 358.
 mission established at 13: 229, 327.
 one of the "Seven Cities of Cibola" 38: p. 2.
 plans for excavation of 37: 4.
 scene of Estevan's death 14: 361.
 similarity of, with Albaicin 14: 564.
 Spanish name for 14: 389.
- Hawikuh Church**, durability of masonry of 8: 138.
- Hawk**
among the Pima 26:
 hemorrhage caused by 263.
 in mythology 223, 240, 249, 345.
 in song 287, 288, 306, 313, 336.
 in tales 245, 250.
 specimens held captive by natives 86.
among the Tlingit 26:
 crest animal 423.
 house-group name, 400.
 mask of 436.

Hawk—Continued

- among the Tlingit* 26—continued
 naming of gaming stick 444.
 source of personal names 422.
 appeal to, for aid 39: 295.
 as a war emblem 39: 206.
 as a war medicine 17: 299.
 hair cut representing 43: 92.
 in Menomini myth 14: 92, 200, 233.
 in Pima legend 28: 52.
 legend of 30: 373.
 mythic origin of 11: 263.
 myths and lore concerning 19: 284, 286 sq.
 origin of 30: 121.
 portents from 30: 275.
 red-tail, in Tewa conception 29: 43.
 representations of, Iroquoian pipes 20: 174.
 sacred, carried by singer 39: 138.
 sacred, position of, as an omen 39: 232.
 sacred, removal of, from shrine 39: 96.
 sacred, the awakening of 39: 89.
 song of 45: 574.
 symbolic 36: 63.
 symbolic use of, in pictures of Hopi kateenas 21: 77.
 symbolism of 45: 529.
 the symbol of courage 39: 100, 232, 296, 365.
 tribal symbol of the Osage 45: 681.
See also Birds; Hawk Feathers; Kwayo; Tlă'nuwă.
- Hawk Clan**
 functions of 37: 200.
 identical with Warrior clan 37: 192, 218.
- Hawk Feathers**
 appearance of, in pictures of Hopi kateenas 21: 41.
 ceremonial use of 14: 992.
- Hawk-leg Fetish**, description and figure of 7: 220, 221.
- Hawk Man**, at arrest of Sitting Bull 14: 856.
- Hawk Symbols**, use of 36: 206.
- Hawk-tail.** *See Kâûtcî Pai.*
- Hawk Wa-xo'-be**, legend of 39: 100 sq.

- Hawkes, E. W.**
 introduction by 36: 20.
 mention of 46: 227, 236, 237, 254,
 306, 313, 369.
- Hawkins, —**
 cited on scratching among Indians
 9: 491.
 survey by 18: 653.
- Hawkins, Col. Benjamin**
 cited 12: 720.
 commissioner to treat with Cherokee
 5: 133, 184.
 journal of 5: 165-169.
 life of 19: 211 *sq.*
 on Cherokee attitude in war of 1812
 19: 89.
 on Cherokee industries in 1801 19:
 82.
 on Cherokee reception of Prophet's
 doctrines 19: 89.
 on Cherokee refugees at Willstown
 19: 209.
 on Cherokee skin trade 19: 82.
 on Creeks 19: 499.
 on Fort Mims massacre 19: 216.
 on hoop and pole, Muskogee 24:
 486.
 on introduction of spinning wheels
 19: 214.
 on Koasati migration 19: 99.
 on sacred fire 19: 503.
 on Taskigi among Creeks 19: 389.
 on threatened secession of progres-
 siveness (about 1800) 19: 83.
 on use of parched corn 19: 481.
 on Yuchi 19: 499.
 treaty concluded by 19: 61.
 visit to Cherokee by 19: 55.
- Hawkins (Hakluyt), cited** 12: 712.
- Hawkins Line, boundary** 1: 253.
- Hawkweed, use of** 45: 492, 506.
- Hawley, Gideon, notice of Indian cus-
 tom of casting stones on heap by**
 12: 547.
- Hawley, Pa., vessel from** 20: 166.
- Hawn, William H., mound on land of,
 Ohio** 12: 440.
- Haworth, Elizabeth, acknowledg-
 ment to** 17: 147.
- Haworth, J. M.**
 appointment of, as Indian agent
 17: 197.
 attempts of, to civilize the Kiowa
 17: 342.
- Haworth, J. M.—Continued**
 burial of Kicking-Bird by 17: 217.
 Kiowa agent in 1873 17: 226.
 on murder of A'gábaí 17: 341.
- Hawthorn, use of** 45: 486, 487, 497.
- Hawthorne, Lieut. H. L., wounded at
 Wounded Knee** 14: 871.
- Hax, meaning of** 16: 233.
- Haxa or Haya, province near Missis-
 sippi River** 14: 504, 505, 507.
- Hay, O. P., mention of** 41: 542.
- Hay, P. R.**
 cited 12: 708.
 on mound-builders 12: 600, 630,
 717.
- Haya. See Haxa.**
- Hayden, Dr. Ferdinand V.**
 Assiniboin gentes given by 15: 223.
 Denig manuscript used by 46: 380.
 Denig's vocabulary mentioned by
 46: 382.
 Hidatsa studied by 15: 242.
 linguistic literature of 7: 20.
 on Arapaho name of the Sioux 14:
 1057.
 on dice game, Crows 24: 177.
 on foot race, Mandan 24: 808.
 on hoop and pole, Crows 24: 502.
 on Pawnee villages along Missouri
 River 20: 200.
 on racket, Cheyenne 24: 564.
 on the Blackfeet 14: 957.
- Hayden Survey, mention of** 48:
 1187.
- Haydon, Sen. Carl, acknowledgment
 to** 47: 10, 11.
- Hayes, Doctor —, 46: 218, 219.**
- Hayes, Mrs. Starr, on dice game,
 Cherokee** 24: 105.
- Haynarger Vocabulary, cited** 7: 54.
- Haynes, Henry W.**
 acknowledgment to 14: 339.
 error of Castañeda corrected by
 14: 501.
 on date of Coronado's departure
 14: 382.
 on identification of Cibola 14: 389.
- Haynes, John, purchase of land by**
 18: 616.
- Hays, A. D., inclosure on land of** 12:
 104.
- Hays, Harry, aboriginal workshop on
 farm of** 44: 526.
- Hayū'ya, a male deity** 42: 485.

- Haywood, Charles**, killed at Wounded Knee 14: 872.
- Haywood, John**
 cited 12: 356, 678, 684, 693, 694.
 cited on witchcraft beliefs among the Cherokee 7: 322.
 mortuary fabrics described by 13: 17, 29.
 on Cherokee migrations and predecessors 19: 21 sq.
 on Cherokee heroism 19: 394 sq.
 on Cherokee myths 19: 20, 229, 440, 441, 445, 469, 477 sq.
 on Cherokee relations with Chickasaws 19: 390.
 on Cherokee relations with Creeks 19: 383, 384.
 on Cherokee relations with Tuscarora 19: 379.
 on conflicts with Cherokee 19: 76.
 on destruction of Chickamauga towns 19: 55, 79.
 on European implements among Cherokee 5: 94.
 on first trader among Cherokee 19: 31.
 on introduction of guns among Cherokee 19: 32, 213.
 on killing of Scott party and Bowl migration 19: 77, 100 sq.
 on location of Cherokee 5: 89, 90.
 on Nancy Ward 19: 204.
 on Natchez among Cherokee 19: 388.
 on office of "pretty woman" 19: 490.
 on origin and habitat of Cherokee 5: 136.
 on pictographs 4: 22, 33.
 on Sevier and Campbell's expedition (1780) 19: 58.
 on Shawano wars 19: 371, 372, 494.
 on Shining Rock and Track Rock gap 19: 480.
 on surrender of Fort Loudon 19: 44.
 on Tennessee Assembly's memorial (1794) 19: 76.
- Hazel**
 use of 44: 289, 369, 377.
See also **Corylus Americana**; **Corylus Rostrata**.
- Hazel Patch, Ky.**, a landmark of the Wilderness Road 42: 799.
- Hazelnut**
 mention of 33: 74.
 use of 45: 459, 491, 501.
- Hazen, William B.**
 acknowledgment to 9: 20.
 pottery collected by 20: 198.
- Hazrinwuqti**, a legendary Hopi being 28: 51.
- Hazzard, C. D.**, cliff-dweller collection of 16: xxxi.
- Hchom**, symbol in Dresden Codex 16: 225.
- Hchuy**, meaning of 16: 225.
- He Dog**, delegate to Washington 14: 891.
- He-holds-the-Earth**, in Iroquoian cosmology 21: 152, 178.
- Hé-shóta-pathl-táii**, Zuñi name of Kintiel 17: 534.
- Head, Joseph.** *See* **Kâemâ-â**.
- Head**
 coverings, dressings, ornaments, etc. 38: § 518.
 importance of, in representations of Hopi katchina pictures 21: 15.
 in bronze, Italy 4: 62.
 of arrow 38: § 128.
 of child, deformation of 35: 657, 658, 662, 663, 664, 665, 666.
 pad for 38: § 392.
 Serian and Yuman names for 17: 297*, 324*-327*.
 standing on, in order to see upward 30: 127, 173.
 washing of, in Cohonimo ceremony 14: 813.
 washing of the Zuñi, in chamber 23: 519 sq.
See also **Head Deformation**; **Head Flattening**; **Headache**; **Heads**; **Masks**.
- Head-bands**
 materials used in 42: 683.
 of Pueblo Indians, reference to 14: 549.
 skin 45: 73 sq.
 use of, by the Eskimo 9: 142.
- Head Chief**
 clothing of, used as talisman 42: 432.
 duties of 46: 441.
 food of 35: 275, 289.
 of Upper Creeks, election of 42: 329 sq.

Head Chief—Continued

office of 45: 374.

position of 45: 263.

Head Clothing of the Eskimo 9: 112.**Head-covering**, absence of, among the Seri 17: 225*.**Head Deformation**

among the Eskimo, Yukon 46: 83.

among the Okanagan 45: 281.

among the Western Eskimo, notes on 46: 213-228.

caused by cradle 40: 319.

mention of 46: 83.

of Guiana Indians 38: § 501.

practice of 45: 167.

tribes practicing 45: 381.

See also **Head Flattening**.**Head Feathers** of the Arapaho 14: 964, 965.**Head Flattening**

among the Chickasaw 44: 222.

in the West Indies 25: 29 sq.

objects of 30: 278, 280.

reference to 42: 37, 39, 50.

tribes practicing 42: 686.

See also **Head Deformation**.**Head Form**

and orbits 46: 277.

of Yukon Indians 46: 151, 152, 153, 154.

Western Eskimo 46: 229, 239, 240, 249, 251, 359, 364.

Yukon Eskimo 46: 161, 162, 163.

Head Mask

mention of 35: 874, 1208.

with ermine skins 35: 867, 868, 873.

Head of Zephyrs in Iroquoian cosmology 21: 295.**Head Ornament**, denotive of marriageability 13: 126.**"Head Piercer,"** reference to 40: 393, 399.**Head Ring**

of mixed plants 35: 1195.

of red cedar bark 35: 721, 850, 1154, 1197.

use of, in twin ceremonial 35: 682, 692.

Head Shaman, use of term 35: 728.**Head Size**

of Western Eskimo 46: 239, 240, 251.

Head Size—Continued

of Yukon Eskimo 46: 162, 163.

of Yukon Indians 46: 153, 154.

Head Washing

ceremonial 47: 286, 291, 295, 506, 776, 874, 894.

ceremony of 15: 300.

symbolic 47: 506.

See also **Head**.**Head-Winter-Dancer**, Kwakiutl 35: 1122, 1138, 1141, 1147.**Head-without-Body**

as protector of prince 35: 1126.

mention of 35: 1132, 1149, 1165, 1169, 1171.

Headache

treatment for 44: 333, 336.

treatment for, Zuñi 30: 45, 50, 52, 53, 62.

Headdress

buffalo, society of those wearing 37: 318.

collection of Indian 3: 590.

description of 37: 109.

feather 45: 73 sq. 235.

for dance 47: 317 sq.

in Tusayan ceremony 15: 269, 282, 283.

of fire maker 42: 594.

of priest or doctor 42: 618, 621.

of the Apache medicine-men 9: 584.

of the Cherokee 19: 474.

of the Indian gods 9: 582.

of the Nenenot 11: 286.

shown by Ohio Valley figurines 20: 184.

skin 45: 75 sq.

with animated duck 32: 263.

worn at war dance 45: 436.

See also **Crown**.**Headmen**

Eskimo, choice of 18: 303 sqq.

Eskimo terms for 18: 304.

Heads

animal 34: 68, 72 sqq., 118-121.

animal, Florida Peninsula pottery 20: 128.

animal, Gulf Coast pottery 20: 107.

animal, Iroquoian pottery 20: 174.

animal, Middle Mississippi Valley pottery 20: 87, 88.

Heads—Continued

- animal, South Appalachian pottery 20: 137, 141.
- as handles 34: 69, 71-74.
- bird, Florida Peninsula pottery 20: 123, 128.
- bird, Gulf Coast pottery 20: 106, 107, 108, 114.
- bird, Iroquoian pottery 20: 174.
- bird, Middle Mississippi Valley pottery 20: 88, 95.
- exhibited after war 35: 1379.
- grotesque human, on Porto Rico pottery 34: 76.
- human, Gulf Coast pottery 20: 107.
- human, Iroquoian pottery 20: 163, 172, 174.
- human, Middle Mississippi Valley pottery 20: 87, 88, 96 *sqq.*
- human, Ohio Valley pottery 20: 185.
- human, South Appalachian pottery 20: 138, 140.
- peccary or wild hog 34: 71.
- preservation of human, wholly or in part 3: 94-97, 148.
- reptilian 34: 69, 76.
- stone 34: 183 *sq.*
- turtle 34: 121.
- See also* **Animal; Bird; Head; Life; Man.**
- Head Stick**, in cotton-hammock making 38: § 465.
- Heal All**, use of 45: 494.
- Healds**
 - of Navaho loom 3: 378.
 - of Navaho, mode of applying the 3: 380, 384.
 - Zuñi 3: 389.
- Healdsburg, Calif.**, petroglyphs near 10: 69.
- Healing**
 - among the Eskimo 9: 422 *sq.*
 - See also* **Doctor; Medicine.**
- Healing Dance**, Kwakiutl 35: 876, 877, 1148.
- Health of the Pima** 26: 156.
- Healy, M. A.** 46: 205.
- Heap-of-Bears.** *See* **Set-dayâ'-ite.**
- Hear**, signs for 1: 376.
- Hearing**, pleasures of 19: LXX-LXXIV.

- Hearing of the Sayings of the Ancient Men**, a tribal rite 36: 47.
- Hearne**, — 46: 218, 219.
- Hearne, Samuel**
 - on archery, Chipewyan 24: 385.
 - on ball game, Chipewyan 24: 385.
 - on hand game, Etchareottine 24: 272.
- Heart, Captain** —, on mound-builders 5: 82.
- Heart, Jonathan**, on origin of the mounds 12: 598.
- Heart**
 - of animals, use of, as food 14: 484.
 - of seals 35: 455, 457.
 - represented in animal figures 17: 673.
 - spirit in 30: 153, 167.
- Heart Disease**, among the Pima 26: 268.
- Heart-Eater.** *See* **Tĕn-piäk'ia.**
- Heart Figures** in Mexican codices 16: 218.
- Heart-leaf Willow**, medicinal use of 45: 471.
- Hearth**
 - fire 38: § 364.
 - See also* **Baking Oven.**
- Heart's Valley**
 - named by Cabeza de Vaca 14: 392.
 - See also* **Corazones.**
- Hearu-canali**, arrow poison 38: § 123.
- Heat**
 - for artificial coloration of feathers 38: § 84.
 - terms relating to 29: 53.
- Heat-lightning**, terms relating to 29: 60.
- Heat Power**, use of 20: XLIII.
- Heat-test** of the Tsimshian 31: 806, 807, 815.
- Heath, Perry S.**
 - on Russian cakes 9: 542.
 - on Russian kostia 9: 547.
 - on use of down at Russian weddings 9: 535.
- Heating.** *See* **Domestic Pottery.**
- Heaven(s)**
 - Eskimo ideas of 18: 423.
 - Hawaiian 33:
 - Kahakaekaea 556, 558, 584, 594, 612.

Heaven(s)—Continued**Hawaiian 33**—Continued

Kealohilani 336, 554, 568, 586, 614.

Kuaihilani 305, 634, 636, 655.

Lanikuakaa 596.

Nuumealani 305, 554, 584, 627, 634.

ideas concerning, Guiana Indian 30: 149, 160-163.

mention of 33: 299, 302, 318.

Serian and Yuman names for 17: 340* *sq.*

Heavenly Map of Kānakūk 14: 666, 694.

Heavenly Recruits, account of 14: 947.

Heavy Eyebrows, a Cheyenne division 14: 1026.

Hebberd, Stephen Southrick

on Indian population at Green Bay in 1670 19: 1106 *sq.*

on nature of Green Bay area 19: 1111.

Hebrew

ancestry of Indians, theory of 14: 703; 42: 678.

ancestry of Indians, theory of, reference to 44: 254.

tattooing of the 4: 78.

See also **Origin of American Indians.**

Hebus

description of 30: 173 *sq.*

legends of 30: 126-129, 131, 132, 174, 180, 183, 186 *sq.*, 189, 190, 210, 287, 292 *sq.*, 337 *sq.*

Hecatotheism, definition of 1: 30, 32; 15: 178; 16: 22.

Hechab. *See* **Xachab.**

Heckewelder, John (G. E.)

cited 12: 657, 674.

Delaware tradition given by 12: 599.

description of shell tweezers by 2: 212.

description of wampum belts by 2: 250.

on Cherokee migrations 19: 191.

on Delaware-Cherokee relations 19: 373, 378, 379, 494.

on Delaware regard for snakes 19: 458.

Heckewelder, John (G. E.)—Contd.

on Delaware traditions concerning Cherokee 19: 18.

on expression, "a night's encampment" 19: 20.

on Indian attitude toward bear 19: 448.

on Indian ideas about animals 19: 445.

on name Tallege'wi 19: 184.

on Shawano 19: 495.

on the Kickapoo prophet 14: 666.

on the use of wampum belt 2: 246.

Hedberg, Stanley, work assigned to 41: 102.

Heddle-rod, used in cotton-hammock making 38: § 469.

Hedley, Charles, dedication to 30: 105.

Hedeoma Hispida 33: 112.

He'dewachi Ceremony

classed with the We'waçpe 27: 597.

description of the 27: 251-260, 591.

part taken by Wathi'gizhe subgens 27: 149.

references to 27: 148, 200, 217, 243, 496.

He'dewachi Pole

painting 27: 148.

part in the He'dewachi ceremony 27: 252, 253.

references to 27: 218, 229.

selection of 27: 251.

symbolism of 27: 255.

Hede-watci Dance of the Omaha 3: 297.

Hedge-nettle, use of 44: 293, 344.

Hedin, Dr. Sven, on magical number sixty-one 19: 849.

Heffter, Doctor —, Peyote studies by 30: 41.

Heger, Franz, amulet described by 34: 233.

Hehea

appearance of, in Palülükōñti 21: 52, 54.

appearance of, in Powamû festival 21: 39.

appearance of, with So wüqti 21: 76.

association of, with Wüwüteimtü and Tataukyamû 21: 73.

description of 21: 73, 74.

Hehea Katsina

- appearance of, in dramatization of growth of corn 21: 93.
- appearance of, in picture of the Nakopan hoyá 21: 117.
- appearance of, in Palülüköñti festivals 21: 44.
- appearance of, in Powamú festival 21: 39.
- Natackas accompanied by 21: 72.

Hehea Mana

- description of 21: 74.
- participation of, in Powamú festival 21: 67

Hěhěe

- description of 21: 74.
- participation of, in Powamú festival 21: 67.
- resemblance between representation of, and that of Tcakwaina mana 21: 63.

Hehl, independent Tlingit tribe 26: 396.**Heidelberg Jaw** 46: 303.**Heidsick, name applied to Gaápiatañ** 17: 163.**Height**

- of ancient Verde pueblos 13: 209.
- of Eskimo children 46: 298.
- of head, Western Eskimo 46: 240, 249, 251.
- sitting, Eskimo 46: 239.
- sitting, Western Eskimo 46: 251.
- skull, Western Eskimo 46: 261.

Heintzelman, Maj. S. P.

- on crops raised by the Yuma 26: 91.
- on hand game, Yuma 24: 327.
- on hoop and pole, Yuma 24: 526.
- report concerning Mendocino reserve by 18: 851.

He'iwei Ki'witsině, ladder of, description of 23: 134.**Hekana Dance of the Omaha** 3: 353.**Hele, derivation of** 21: 125.**Helianthella sp.** 45: 470.**Helianthus Annuus** 33: 130.**Helianthus Lenticularis** 45: 469.**Helianthus Petiolaris** 45: 469.**Helianthus sp.** 45: 469, 492.**Helianthus Tuberosus**

- mention of 33: 131.
- use of 44: 289, 307, 319.

Hēlik'ilai 35: 869.**Helilulu**

- derivation of 21: 125.
- personation of, in Pamürti 21: 27.
- representation of, in Hopi kateinas 21: 66.

Heliopsis Scabra, use of 44: 289, 364.**Heliotropium Curavassavicum, Pima medicinal plant** 26: 79.**Hell**

- development of concept of 19: LXXXV.
- Eskimo ideas of 18: 423.

Hell-Diver in Menomini myth 14: 204.**Hell Gate, treaty of** 18: 808 *sqq.***Hellebore Root, Blue**

- use of, as charm 35: 175, 608, 636.
- use of, for washing 35: 704.

Helmets

- hunting, of the Eskimo 18: 166-169.
- use of, in ceremonial dances of the Hopi 22, i: 143.
- See also* Headdress.

Helvellaceae 33: 63.**Helwitt, a Tlaqluit synonym** 14: 740.**He'mask'as, a name of Raven** 31: 645.**Hēmasxdō** 35: 816.**Hematite**

- fetish from Sikyatki 17: 730.
- use of, among Northern Indians 11: 298.
- use of, in decoration of Hopi kateinas 21: 77.

Hemenway, Augustus, acknowledgment to 14: 339.**Hemenway, Mrs. Mary**

- efforts on behalf of Casa Grande by 28: 72.
- expedition patronized by 13: xxxviii.
- Kawaika pottery purchased by 17: 590.
- petitions for Casa Grande repair 15: ciii.
- philanthropic work of 15: c.

Hemenway (Southwestern Archeological) Expedition

- bones in collection of 14: 549.
- collection of 28: 119.
- excavations by 8: 193; 13: 351; 26: 26.
- researches by, at Tusayan 15: 251.

Hemes Pueblos

- mention of 14: 519, 525.
- visit of Barrionuevo to 14: 510.
- See also Jemez.*

Hemico

- derivation of 21: 125.
- description of 21: 115.

Hemlock

- beverage made from 44: 317.
- poison, use of 44: 288, 377.
- tree 35: 151, 152, 154, 155, 159, 165.
- use of 44: 294, 369.
- See also Tsuga Canadensis.*

Hemlock Branches.

- for purification 35: 745, 1128, 1149.
- mention of 35: 162, 184, 440, 461, 477, 1144.
- ring of, for shaman 35: 725 *sqq.*
- use of, in ceremonial 35: 1133, 1174.
- use of, in oven 35: 518.

Hemlock Mountain, use of 45: 500.**Hemorrhages**

- treatment for 44: 340.
- treatment for, *Zuñi* 30: 43, 62.

Hemorrhoids, how treated by the *Zuñi* 30: 61.**Hemp**

- Indian, in spinning and weaving 13: 22, 23, 24, 25, 34.
- Indian use of 19: 33.

Hemp-Carrier, legend of 19: 364, 367, 491.**Hemp Dogbane, use of 45: 470.****Henderson, Alexander**

- on authority for *pekokalil* 16: 248.
- on Maya names of Venus 16: 249.
- on Maya numeral system 19: 891, 893, 894.
- on Maya numerals 19: 897.
- on meaning of *cabnix* 16: 257.
- on meaning of *cancan* 16: 256.
- on meaning of *ceh* and *kez* 16: 249, 261.
- on meaning of *chac* 16: 226.

Henderson, Alexander—Continued

- on meaning of *chacboay* 16: 226.
- on meaning of *chichan* 16: 230.
- on meaning of *cib* 16: 253, 254.
- on meaning of *chooch* 16: 237.
- on meaning of *chuuc* 16: 232.
- on meaning of *kan* 16: 228.
- on meaning of *kankin* 16: 261.
- on meaning of *lamba* 16: 236.
- on meaning of *manik* 16: 234.
- on meaning of *moxan* 16: 234.
- on meaning of *mul* 16: 239.
- on meaning of *pacoc* 16: 247.
- on meaning of *pal* 16: 253.
- on meaning of various Maya terms 16: 247.
- on meaning of *xachcab* 16: 258.
- on meaning of *xolke* 16: 233.
- on meaning of *yokcabil* 16: 257.
- on meaning of *yulpol* 16: 211.
- on phonetic value of *ak* 16: 223.
- on the *akabmax* symbol 16: 208.
- on the *chucay* symbol 16: 210.
- on the term *chuch* 16: 225.

Henderson, Prof. Junius

- acknowledgment to, for use of offices and equipment 33: 162.
- collaboration of 34: 23, 26.
- on rains 29: 57.

Henderson, J. G.

- opening of Illinois mound by 5: 39.
- pottery collected by 20: 188.
- treaty commissioner 17: 183.

Henderson, L. F., on absence of wild rice in Idaho 19: 1029.**Henderson, Richard, purchase of land from Cherokee by 5: 148; 19: 45.****Henderson County, N. C., mounds in 5: 74.****Hendley, H. W.**

- models made by 28: 101.
- work of 25: XIII.

Hendrick, S. U., a Stockbridge chief 14: 22, 25.**Hendry, F. A., aid of, in Florida 5: 492, 511, 528.****Henihha Dance, performance of 42: 603.****Henihálgi, duties of 42: 293 *sqq.*****Henihálgi Clans, discussion of 42: 194 *sq.***

Henihäs

- clans furnishing 42: 192-195.
- concerned with pursuits of peace 42: 305.
- function of 42: 192.

Henihäs' Bed

- one of four beds 42: 191.

Heniquen Fiber, use of, by Pueblo Indians 14: 573.**Henkel, Alice**, acknowledgment to 30: 38.**Henley, —**

- report on Fresno River reserve by 18: 823.
- report on Mendocino reserve by 18: 851.
- selection of reserves by 18: 794, 815, 816.

Henley, Lieut. A., Cheyenne attacked by 17: 213.**Hennepin, Rev. Louis**

- on Assiniboin habitat 15: 190.
- on ceremonial use of calumet by Algonkian tribes 7: 153.
- on Dakota tying wild rice 19: 1058.
- on dice games, Hurons 24: 108.
- on duck in Mille Lacs 19: 1099.
- on Indian beliefs 11: 438.
- on practice of Algonkian medicine-men 7: 153, 154.
- on ring and pin, Iroquois 24: 549.
- on sorcery among northern tribes 14: 141.
- on stick games, Huron 24: 243.
- on tipcat, Huron 24: 721.
- on wild rice as Indian food 19: 1084, 1085.
- on wild rice in Minnesota 19: 1034.
- Oto met by 15: 195.

Hennessey, Patrick, Indian attack on 17: 203.**Henning's Statutes**, extracts from 18: 565.**Hennissee, Captain —**, ordered to arrest Big Foot's band 14: 865.**Hennites Giganteum**, beads of shell of 2: 225, 227.**Henónko**, Kiowa name of the Hidatsa 17: 159.**Henrietta Succosa**, for red paint 38: § 28.**Henriquillo**, on Antillean cacique 25: 31, 81, 147.**Henry, —**

- on Indian attitude toward bears 19: 446 sq.
- on Ojibwa myths 19: 445.
- on Ojibwa regard for snakes 19: 457 sq.

Henry, Major —

- operations of, in Sioux outbreak 14: 875.
- troops under, at Pine Ridge 14: 850.

Henry, Alexander

- on dependence of fur traders on wild rice 19: 1101 sq.
- on Indian saving wild rice until the next harvest 19: 1088.
- on influence of wild rice on geographic nomenclature 19: 1122.
- on Ojibwa treatment of disease by jugglery 14: 149.
- on popular synonym for wild rice 19: 1022.
- on racket 24: 564.
- on the Pontiac conspiracy 14: 131.
- on use of maple sugar as food 19: 1095.

Henry, Celissi, information furnished by 42: 402.**Henry, C. D.**, bids of, for repair of Casa Grande 15: 338 sq.**Henry, George**, information furnished by 42: 402.**Henry, Joseph**, description of cane matting by 13: 37.**Henry, V.** 46: 333, 369.**Henshaw, Henry W.**

- acknowledgments to 7: 142; 29: 12.
- article on maple-sugar making by 20: 33.
- Chumashan researches of 7: 88.
- contributor to Bureau 48: 1189.
- Costanoan researches of 7: 70.
- Esselenian investigations of 7: 76.
- Indian studies on Omaha native tobacco 3: 309.
- linguistic field work of 6: xxxi sqq.
- linguistic researches of 5: xxx.
- Moquelumnan researches of 7: 93.
- obituary of 48: 1221.
- office work of 6: xlv.
- on amulets of the Eskimo 9: 439.
- on animal carvings from mounds of the Mississippi Valley 2: 117.
- on perforated stones 13: 99.
- on population of Cayuse 7: 128.
- on Salinan population 7: 102.
- researches of 11: xxxi.

Henshaw, Henry W.—Continued

Salinan researches of 7: 101.
 synonymy of tribes by 7: 142.
 work of 2: xxv, xxx; 3: xxviii;
 7: xxxiv, xxxv, xxxvi; 8: xxv-
 iii; 9: xxxv sq.; 10: xiv sq.,
 xviii, xxi; 13: xxvi, xxx, xxx-
 iv, xxxv; 14: xxxvi, xxxviii,
 xlv, xlvi; 24: xxiv; 26: xxv.

Hensley, Albert

a Peyote leader 37: 419.
 account by, of Peyote 37: 397-400.
 conversion of 37: 394.
 innovations of 37: 421.

Hénto (*Gray Eyes*) Wyandot signs

1: 327.

Henya

affinities of 26: 408, 410.
 clans and house groups 26: 401.
 history of 26: 410.
 phratries and clans 26: 398.
 Tlingit tribe 26: 296.

Hepatica Americana, use of 44: 289, 336.**Hepatica Triloba**, use of 44: 289, 376.**Hépatina**, certain participants visit 23: 604.**Heracleum Lanatum**

medicinal constituents of 44: 304.
 medicinal properties of 44: 301.
 mention of 33: 107; 45: 457, 482,
 504.
 use of 44: 289, 342, 350.

Heraldic Devices, aboriginal 23: xxiii.**Heraldry**

aboriginal, monograph on 23: xvii.
 among American Indians 24: xvi
 sq., xxvii.
 Kiowa, study of 16: lxv sq.

Heralds

among the Kansa 15: 232.
 challenging to war 4: 88.
 mention of 35: 1162, 1170.
 of Winter Dance 35: 1159.

Heralds, Tribal

in election of chief 27: 205.
 in Ho^a'hewachi ceremony 27: 498,
 500.
 in "mark of honor" ceremony 27:
 503, 506.
 office among Ponca 27: 46.

Heralds, Tribal—Continued

of Hethu'shka society 27: 480.
 scouts summoned by 27: 424.

Herbalists

of the Menomini 14: 67.
See also **Medicine-men**.

Herbert's Spring, legend of 19: 403 sq., 505.**Herbs**

attached to prayer-sticks 16: 280.
 gathering of, for medicinal use 47:
 110.
 medicinal use of 27: 582 sq.; 42:
 35.
 use of 44: 331.
See also **Plants** (*curative*).

Herder, notched sticks of 4: 81.**Herding**

among the Sia 11: 25.
 how conducted by the Zuñi 13:
 340.

Hereditary

chieftainship 38: § 744.
 priesthood 9: 455 sq.
 privileges 38: § 754.

Heredity, cases of, in speech 1: 276, 277.**Herendeen, E. P.**

interpreter of Point Barrow expedi-
 tion 9: 19.
 description of Eskimo dance by 9:
 374 sq.
 on Eskimo gambling 9: 364.
 on Eskimo reindeer hunting 9: 266.
 on Eskimo whale hunting 9: 272.
 on float for whaling 9: 277.

Herendeen Village 46: 189.**Heri-heri**. *See* **Yarri-yarri**.**Hermaphroditism**, beliefs concerning 11: 379.**Herm'ho**, Pima village 26: 23.**Hermosillo**

adoption of present name of 17:
 84.
 establishment of post on site of
 17: 72.

Hernandez, Luis, Spanish soldier,
 death of 14: 538.**Herndon and Gibbon**, on Amazon
 gold gorgets 13: 117.**Hero Gods** of Indian tribes 14: 658.**Hero of Myth**, extraordinary power
 of 40: 37, 53, 142, 155, 157, 163,
 189, 205, 207.

- Hero Worship**, traces of 11: 371.
- Herodotus**, cited on Egyptian priests 9: 454.
- Heroes, Tribal**, confusion of, with gods 30: 117, 119.
- Heroism**, legend of 19: 394 *sq.*, 501.
- Herok'a**
characterization of 37: 441.
feast of those blessed by 37: 343.
- Heron**
in Cherokee myths 19: 284, 285.
white, feather cloak 38: § 538.
- Herrera, —**,
cited 1: 232; 6: 35.
material used in translation of Las Casas 25: 42.
on aboriginal treatment of disease 25: 62.
on Antillean mortuary customs 25: 69.
on ceremonies for crops 25: 65.
on duhos 25: 203 *sq.*
on houses of Haitians 25: 42.
on Mexican calendars 3: 44, 47.
on reception to Bartholomew Columbus 25: 81.
on route of Cortés 25: 245.
sketch of 25: 42.
- Herrera, Antonio de**
cited 12: 626, 627, 650.
cited on Indian cakes 9: 527.
cited on Indian headdress 9: 582.
on Coronado's visit to Quivira 14: 509.
on explorations by Diaz 14: 406.
quotation from 14: 507.
quoted on cords among Indians 9: 558, 559, 574.
quoted on cross among Indians 9: 480.
quoted on Indian labrets 9: 497.
quoted on Indian medicine-men 9: 459, 461, 463, 472, 475, 553.
quoted on Indian medicine women 9: 469.
quoted on nualism 14: 65.
quoted on "powder of grass" 9: 519.
quoted on sacred meal of Indians 9: 510.
quoted on Spanish policy toward Indians 18: 539.
- Herrera, Cosme**, reference to 29: 379.
- Herrera, Miss Marta J.**, botanical specimens obtained from 48: 7.
- Herrera, Romelo de**, reference to 29: 228.
- Herring, Elbert**, on assassination of John Walker 19: 121.
- Herring**
among Tlingit, house group names 26: 405.
among Tlingit, source of personal names 26: 422.
Eskimo implements for catching 18: 187, 188.
fishing among Eskimo, season of 18: 183.
- Herring Spawn**
eating of 35: 425.
fresh, on cedar branches 35: 422.
gathering of 35: 184, 255.
half soaked 35: 424.
mention of 35: 254.
soaked 35: 422.
with kelp 35: 426.
with salmon-berry shoots 35: 428.
- Herringbone Design**
Delaware Valley pottery 20: 177.
Ohio Valley pottery 20: 185.
See also Decoration.
- Herringbone-pattern Basketry** 38: § 435, 438, 442.
- Herringuen**, population of 26: 21.
- Herrod**. *See Buckner and Herrod.*
- Herucka Songs**, always victory songs 37: 384.
- Hervas, —**, Lord's Prayer in Pima by 26: 269.
- Hervas, Lorenzo**, on Picurís 29: 193.
- Hervé, G.** 46: 332, 333, 350, 369.
- Hervey Group**, tattooing in 4: 76.
- Herzog, Georg**, songs recorded by 47: 890, 898, 911.
- Herzog, Wilhelm**, classification of Seri by 17: 108.
- Hesakkdum Esee**
the supreme deity 42: 514.
See also Hisagita Immisi.
- Heshotatsína**, a Zuñi village 7: 139.
- Hesitation**, signs for 1: 291.
- Hesquiaht**
games of the 24:
shuttlecock 718.
tops 748.
- Hess, Chief Jacob**, text dictated by 48: 12.
- Hessu**, cassava smoothen 38: § 365.
- Hester, J. G.**, last Cherokee census by 19: 179.

- Hěthě'hinë'na**, an Arapaho warrior order 14: 988.
- Hethu'shka Society**
 general description of 27: 459-462.
 meeting of 27: 462-469.
 references to 27: 50, 169, 439, 481.
 songs of 27: 460, 465, 466, 469-480, 482.
- Hetissu**, duties of 42: 422.
- Hetzel, Margaret**, on the Clifton quarry 15: 113.
- Hetzel-Hunter Quarry**. *See* Clifton Quarry.
- Heuchera**, use of 44: 289, 342, 344.
- Heuchera Hispida**, use of 44: 290, 344, 360.
- Hevea**
 rubber, illuminant 38: § 5.
 seeds for bait 38: § 188.
- Hewat**, —
 on agreement of South Carolina with Cherokee 19: 32.
 on Cherokee land cessions 19: 34.
 on Cherokee relations with Tuscarora 19: 32.
 on Cherokee war of 1760-1761 19: 45.
 on first Cherokee war with colonies 19: 33.
 on surrender of Fort Loudon 19: 43, 44.
- Hěwă-tăniuw**, a Cheyenne division 14: 1025.
- Hewett, Dr. Edgar L.**
 acknowledgment to 29: 12, 38.
 bulletin by 28: 17.
 collaboration of 34: 23, 36.
 cooperative work in excavation 33: 11.
 on Abiquiu 29: 135, 136.
 on A-ga Uo-no 29: 345.
 on Alamo Canyon 29: 270, 414.
 on altar on Black Mesa 29: 297.
 on Amoxiumqua 29: 395.
 on Arroyo Cubre 29: 130.
 on Black Mesa 29: 156, 224, 293, 294.
 on Black Mountains 29: 131.
 on Bush Canyon 29: 287.
 on ceremonial cave 29: 412.
 on Cerillos 29: 492.
 on Chamita 29: 228.
 on Chimayo settlement 29: 342.
 on Chipiinuige 29: 121.
- Hewett, Dr. Edgar L.—Continued**
 on Chipiwi 29: 236.
 on Chupadero Creek 29: 244.
 on Cienega Creek 29: 466.
 on Cieneguilla 29: 467.
 on Cochiti 29: 440.
 on Cochiti Canyon 29: 430.
 on Cochiti district 29: 409.
 on Cuartales 29: 260.
 on Cuyamunque 29: 333.
 on Enchanted Mesa 29: 554.
 on Frijoles Canyon 29: 410.
 on Galisteo 29: 481.
 on Gallinas Mountains 29: 114.
 on Guaje Canyon 29: 266.
 on Gyusiwa 29: 394.
 on Haatze 29: 426.
 on Homayo 29: 161.
 on Hondo Canyon 29: 415.
 on Houiri 29: 162.
 on Ihamba 29: 310.
 on Jacona 29: 330.
 on Jemez Mountains 29: 105.
 on Kapo 29: 549.
 on Ke-gua-yo 29: 344, 345.
 on Kipana 29: 550.
 on Kuapa ruin 29: 435.
 on Lower Cangilon settlement 29: 118.
 on Manzano Mountains 29: 531.
 on Mariana settlement 29: 133.
 on mound-like ruin 29: 423.
 on Mount Román 29: 128.
 on Nambé Pueblo 29: 360.
 on Nambé village 29: 377.
 on Navaho Canyon 29: 120.
 on Navawi 29: 280.
 on Ojana 29: 553.
 on Old Cochiti 29: 432, 433, 434.
 on Otowi Canyon 29: 271.
 on Otowi Mesa 29: 271.
 on Painted Cave 29: 422.
 on Painted Cave Canyon 29: 422.
 on Pajarito Canyon 29: 281, 283.
 on Pajarito Hill 29: 248.
 on Pajarito Mesa 29: 284.
 on Pajarito Park 29: 260.
 on Pecos 29: 474, 475, 476, 477.
 on Pedernal Mountain 29: 122, 123.
 on Perage 29: 263.
 on Picuris 29: 193.
 on Pioge 29: 203.
 on pitfall at Navawi 29: 279.
 on Poihuuige 29: 157.

Hewett, Dr. Edgar L.—Continued

- on Pojoaque 29: 335.
 - on Pose-uing-ge 29: 165, 166.
 - on Potrero de los Idolos 29: 427.
 - on Pueblo Creek 29: 179.
 - on Pueblo of the Stone Lions 29: 417, 418.
 - on pueblo ruin at Abiquiu 29: 138, 139, 140.
 - on Puye 29: 236, 237.
 - on Rincon del Pueblo 29: 278.
 - on Rito del Bravo 29: 288.
 - on ruins at La Joya 29: 200, 204.
 - on San Cristóbal 29: 486.
 - on San Gabriel 29: 228.
 - on San Ildefonso 29: 304.
 - on San Lazaro 29: 491.
 - on San Pablo ruin 29: 508.
 - on Sandia Canyon 29: 279.
 - on Sandia Mountain 29: 513.
 - on Santa Clara Creek 29: 234.
 - on Sante Fé 29: 460, 461 sq.
 - on Santuario Mountains 29: 355.
 - on Se-pä-uā ruin 29: 144.
 - on Shu-finné 29: 235.
 - on Stone Lions Shrine 29: 418, 419, 428.
 - on Taos 29: 183.
 - on Te-e-uing-ge 29: 154.
 - on Tejeuingge Ouiping 29: 337.
 - on Tesuque 29: 388.
 - on Tewaī 29: 252.
 - on the Salinas 29: 535.
 - on traditions of Otowi 29: 272.
 - on Tsankawi Mesa 29: 273, 274.
 - on Tsawarii 29: 253, 254, 255, 256.
 - on Tyuonyi 29: 411, 412.
 - on Tzirege 29: 282, 283.
 - on Valverde 29: 554.
 - on various Pueblo ruins 29: 226, 245, 247, 252, 266, 272, 273, 274, 282, 385, 425, 457.
 - on Whapige 29: 291, 292.
 - on White Rock Canyon 29: 102.
 - on Yuqueyunque 29: 227.
 - quoting Cope on Cristone Pueblo ruin 29: 115.
 - references to 29: 44, 153, 245, 253.
 - suggestion by, concerning excavations 33: 161.
 - work of 26: xx, xxvii; 27: 10, 12.
- Hewing Tools** used by the Eskimo 18: 91.

Hewitt, Miss Caroline G. C., assistance of, in translating manuscript 32: 49.

Hewitt, John N. B.

- aboriginal conceptions of the supernatural studied by 23: xxxix sq.
- acknowledgment to 17: 21.
- cited 42: 740, 780.
- collections made by, among Iroquoian Indians 22, i: xxxix.
- comparative lexicology of Seri language by 17: 299*-344*.
- contributor to Bureau 48: 1189.
- custodian of manuscripts 33: 37; 36: 28.
- determination of Seri as a distinct stock by 21: xxv.
- ethnologic research by 32: 20.
- field work of 6: xxx, xxxi; 20: xi; 21: xi.
- Iroquoian linguistic material arranged by 23: xxvi.
- linguistic researches of 14: xli.
- material furnished by 24: 118, 590.
- mention of 32: 9; 47: 14.
- monograph of, on Iroquoian creation myths 23: xxxvi, xliii.
- office work of 20: xx, xxi.
- official delegate to installation ceremony 38: p. 6.
- on arrow-poisoning among Iroquoian tribes 14: 284.
- on Cherokee linguistic relationship 19: 16.
- on etymology of Iroquoian word for war mattress 10: 555.
- on Iroquois beliefs 11: 366.
- on Iroquois myths 19: 433, 440, 451.
- on Mohawk language 19: 188.
- on Mohawk name for Cherokee 19: 16.
- on name Hiadeoni 19: 489.
- on Shahaptian numeration 19: 838.
- on the derivation of Iroquois 7: 77.
- papers by 37: 27; 39: 24; 40: 17; 44: 15.
- quoted on the Iroquois 37: 281 sq.
- report of, on Iroquoian cosmology 21: 127-339.
- representative on U. S. Geographic Board 48: 14.

Hewitt, John N. B.—Continued

researches of 16: XXI, XXII, XXVI, XXVIII, XXXII, XXXVII, XXXIX, XLI, XLV, XLIX, LII, LVIII, LXXIII, LXXIV; 33: 23.

researches of, in Iroquoian mythology 21: XXIV, XXXII.

study of fraternities and cults by 19: XLVIII.

translation of Onondaga mourning ritual by 17: 288*.

Tutelo studies of 13: XXXIX.

work of 7: XXXI; 8: XXVIII; 9: XLI; 10: XVII, XX; 11: XXX, XXXV; 13: XLI; 15: XXIII, XXVI, XXXI, XXXV, XL, XLI, XLV, XLIX, LIII, LXI, LXIV, LXVII, LXXXIV; 17: LIII *sq.*; 18: XXVIII, XLIII, XLIV; 19: XVIII, XXV *sq.*; 24: XVIII *sqq.*, XXV, XXVI, XXX; 25: XVIII *sq.*; 26: XVI *sq.*, XXI; 27: 9; 28: 13 *sq.*; 29: 17; 30: 16, 19, 52; 31: 15; 34: 17 *sq.*, 31; 35: 18 *sqq.*; 36: 13 *sq.*; 30; 37: 11-14; 38: p. 6 *sqq.*; 39: 14 *sqq.*; 40: 5-8; 41: 8 *sqq.*, 31 *sqq.*, 55 *sq.*, 86 *sq.*, 109 *sqq.*; 42: 11 *sqq.*; 43: 5 *sq.*; 44: 6 *sqq.*; 45: 4 *sq.*; 46: 9 *sq.*; 47: 6 *sqq.*; 48: 12 *sqq.*

work of, on Iroquoian languages, myths and customs 22, i: XIII, XIX *sq.*, XXIII, XXV *sq.*

Hexagon

as an element in design 41: 254.

interpretation of 41: 327.

Hexagon-base Baskets 38: § 412-415.

Hexagonal Mesh, weaving 38: § 109.

Heye, Dr. George G.

acknowledgment to 34: 8.

archeological work of 37: 1.

collection of aboriginal objects 33: 16; 34: 49.

expedition supported by 44: 32.

objects purchased by 34: 221.

paper by 44: 72.

Heye, Mrs. Thea, expedition supported by 44: 31 *sq.*

Heye Museum

artifacts in, from West Indies 34: 49 *sqq.*

collections of, studied by J. W. Fewkes 36: 12.

work under auspices of 34: 8.

Heylyn, Peter

on Pecos 29: 476.

on San Juan 29: 213.

Heyoka

beliefs concerning 11: 443, 468.

man, story of the 11: 469.

Heyowani, in Texas, union of, with Cherokee 19: 143.

Hezio (or Hosio), Francisco de

on Pojoaque 29: 334.

on Santa Anna 29: 521.

Hiadeoni, legend of 19: 356, 489.

Hi'atam, Pima village 26: 23.

Hiawaraballi, drink 38: § 271.

Hiawatha

a founder of the League 43: 468.

and the Wampum Belt, Iroquois myth 2: 64.

legends concerning 2: 53.

meanings of the name 2: 54.

peace proposed by 43: 460.

power attributed to, by the Iroquois 2: 54.

reference to 42: 548, 550.

Hibiscus, timber for fire stick 38: § 1.

Hiçada, subgens of the Waça'be (Ponca) 27: 42, 48, 52 *sq.*

Hi'-ça-da Gens

story belonging to 36: 211.

wi'-gi-e of 36: 212-219.

Hich, phonetic value of 16: 233.

Hichââ'qutha, an Arapaho warrior order 14: 987.

Hichitee

deer songs of 19: 435.

migration of, to Florida 19: 99.

tribe of Creek 'confederacy 19: 498 *sq.*

Hickman County, Tenn., remains in 41: 496.

Hickory

nut, mention of 33: 74.

use of 44: 290, 338, 377.

Hickorynut Clan

affiliations of 42: 122.

native name for 42: 115.

Hickorynut Gap, myth connected with 19: 438.

Hicks, C. R.

election of, as chief 19: 112.

endeavor to introduce coffee by 19: 214.

on moon myths 19: 441.

Hicks, Elijah, letter to Secretary of War by 19: 115.

Hicoria Alba, use of 44: 290, 338, 377.

Hicoria Ovata, use of 33: 74.

Hidatsa

account of the 15: 197; 17: 159.

ceremonial among the 11: 437.

chronology of the 17: 370.

cults of the 11: 501.

divisions of the 15: 164.

exploit mark of 10: 437-440.

games of the 24:

dice games 57, 186.

hand game 318.

hoop and pole 487, 511.

shinny 641.

shuffleboard 729.

snow-snake 419.

tops 747.

tossed ball 710.

habitat of the 17: 158.

individual designations of 10: 424.

instruments for pictography used by 10: 218, 219.

Kiowa intercourse with 17: 158.

Kiowa name of the 17: 159.

Mandan incorporated by the 15: 197.

map made by the 4: 158; 10: 342.

migrations of the 15: 198.

myths of the, reference to 11: 391, 511.

name of the Cheyenne 14: 1023.

name of the Sioux 14: 1057.

paintings by the, on robes or skins 10: 219.

pictographic notice by the 10: 336 sq.

pictographs of hunting and fruit-gathering by the 10: 533 sq.

population of the 7: 118.

record of chief of 10: 581.

scalp custom of the 15: 241.

scarification among the 15: 169.

separation of Crows from the 17: 154, 155.

Siouan 4: 108.

smallpox among the 17: 275.

sociology of the 15: 242.

superstitions of the 1: 199.

tattooing among the 17: 159.

tribal designation of 10: 384.

Hidatsa—Continued

tribal signs for 1: 469.

use of notched sticks by, for recording time 10: 227.

Hidden-ball Game

general description of 24: 44, 335-339.

mention of 47: 138, 239 sq.

played by the 24:

Chippewa 340 sqq., 351.

Cree 342.

Dakota 339.

Dakota, Oglala 364 sq.

Dakota, Yankton 317 sq.

Delawares 342 sq.

Hopi 337 sq., 339, 357-364.

Iowa 365 sq.

Jicarilla Apache 345.

Keres 339, 351 sqq.

Kwakiutl 370.

Maricopa 339, 370 sq.

Menominee 343 sq.

Miami 344.

Missisauga 344.

Navaho 339, 346-349.

Nipissing 344.

Nootka 370.

Omaha 366.

Onondaga 349.

Ottawa 344 sq.

Papago 336, 339, 353 sqq.

Pima 339, 355 sq.

Potawatomi 344.

Sauk and Foxes 345.

Seneca 350 sq.

Shawnee 344.

Tarahumare 339.

Tewa 338, 339, 361, 367 sqq.

Tigua 369 sq.

Walapai 371 sq.

Winnebago 366 sq.

Wyandot 351.

Zuaque 356 sq.

Zuñi 336 sq., 372-382.

sacrificial and ceremonial character of 24: 337 sqq., 372.

water game, Zuñi 24: 374-381.

Hide and Seek

of the Guiana Indians 38: § 613.

played by the Eskimo 18: 337.

Hides

dressings of, for Omaha clothing 3: 310.

Hides—Continued

- dressing of, with stone implements
13: 169, 170.
pictographs on 4: 60.
uses of 27: 272, 342, 345.
- Hiding Button**, hand game, Gros-
ventres 24: 271.
- Hiding Shelter** for hunting 38: §159.
- Hieracium** sp. 45: 492, 506.
- Hieratic Art** 1: 210.
- Hierochloe Odorata** 45: 476, 503.
- Hieroglyphics**, found 2: 432.
- Hieroglyphs**
mention of 1: 210.
read in a certain order 1: 223.
work in 15: LXIII, LXVI; 16: XIX,
XXII, XXVI, XXVIII, XXXV, XL,
XLII, XLVII, L, LV.
See also **Egyptian Characters;**
Maya Codices; Maya Hiero-
glyphs; Pictography.
- Higday**, —, pottery collected by 20:
191.
- Higgins, Godfrey**
on girdles 9: 557.
on hierophants of Athens 9: 454.
on Hindu powders 9: 516.
on use of flour in sacrifice 9: 517.
on use of pollen by the ancients
9: 532.
- High**, pictograph for 10: 592 *sq.*
- High Backbone**, killed at Wounded
Knee 14: 871, 872.
- High-bush Cranberry**
mention of 33: 115.
use of 45: 487.
- High Corncrib House Group**, story
of 44: 207 *sq.*
- High Hawk**, flight of, to Bad Lands
14: 884.
- High-house People**, a Navaho clan
8: 30.
- High Island**, reservation of 18: 810.
- High Point, N. C.**, settlement at
42: 777.
- High Priest.** *See* **Medicine Maker.**
- High Wolf**, visit of, to Southern tribes
14: 908.
- Higher Powers**, Zuñi, classification of
the 23: 22 *sq.*
- Highland County**, flint quarries in
15: 77.
- Highland Cranberry**, use of 44:
294.

- Highland Lick**, mention of 42: 805.
- Highland Quarry-Shops** 15: 148.
- Hightower**, establishment of mission
at 19: 105.
- Hignite, John**, flint on farm of 44:
519.
- Hignite, Levi**, flint on farm of 44:
519.
- Higsby**, — 46: 120.
- Hihighenimmo**, a Sanpoil synonym
14: 733.
- Hiku and Kawelu** 33: 660.
- Hilder, Frank Frederick**
acknowledgment to 17: 20 *sq.*
biographic sketch of 22, i: XL *sqq.*
death of 22, i: XXXVIII.
description of shell gorgets by 2:
286, 288, 303.
linguistic work of 21: XXXII.
office work of 20: XXIII.
photographs of gorgets procured by
2: 286.
work of 18: XLVII; 22, i: XXXVII
sq.
- Hilhouse, W. .**
cited 30: 125, 126, 305, 307, 355,
357 *sq.*
on belief in God 30: 119, 120, 145.
- Hilibi**
allocation of clans in beds at 42:
201-204.
arrangement of square ground of
42: 222 *sq.*, 258.
belief of, concerning busk 42: 546.
chunkey poles at 42: 190.
clan councils of 42: 125.
clans of, furnishing chiefs and
henihas 42: 193, 194.
clans, phratries and moieties of
42: 159 *sq.*
New Fire ceremony of 42: 545.
origin of the town 42: 357.
plan of ceremonial ground of 42:
259.
position of beds at 42: 198.
relations of, with Alabama 42: 568.
relations of, with Eufaula 42: 559.
Upper Creek Red town 42: 125,
255.
use of medicine at 42: 608.
- Hilisálgí**
a Creek clan 42: 115, 119.
affiliations of 42: 121.

- Hill, Asa R.**, assistance rendered by 41: 10.
- Hill, Edwin A.**, petroglyphs reported by 10: 97.
- Hill, E. H.**, pottery collected by 20: 133.
- Hill, E. K.**, assistance rendered by 33: 161.
- Hill, George**, head chief 42: 331.
- Hill, J. J.**, reference to 27: 624.
- Hill, James M.**, mound group on farm of, Ohio 12: 451.
- Hill, R. T.**, ethnologic collection of 31: XII, XIII.
- Hill, Walter**, reference to 27: 624.
- Hillabee**, capture of 19: 91.
- Hillers, J. K.**
 acknowledgment to 14: 655.
 assistance rendered by 2: 429.
 crania photographed by 16: 15.
 on four-stick game, Paiute 24: 334.
 on hand game, Paiute 24: 312.
 photographer 3: XXIII.
 photographic work by 11: XXXVIII; 14: XLVIII.
 pictograph copied by 10: 353.
 work of 10: XXIII; 13: XLII.
- Hills, High, Songs of the** 39: 249 sqq.
- Hillsboro, N. C.**, Occaneechi town near 42: 776.
- Hill-Tout, Charles**
 information furnished by 24: 249.
 on cat's cradle, Skokomish 24: 773.
 on football, Skokomish 24: 703.
 on hand game, Thompson Indians 24: 303.
 on racket, Skokomish 24: 609.
 on racket, Thompson Indians 24: 610.
 on shuttlecock, Skokomish 24: 717.
 on stick game, Chilliwhack 24: 249.
- Hina, Sala**
 adventure of 26: 129.
 as a potter 26: 124.
 on cattle among Pima 26: 85 sq.
 on flower design in Pima basketry 26: 139.
 on intermarriage among the Pima 26: 186.
 Pima potter 28: 140.
 sieve made by 26: 147.
 sketch of 26: 17.
- Hina, Sala**—Continued
 treatment by medicine-men 26: 260 sq.
- Hina Head**, Maricopa village 26: 22.
- Hinaaikamalama** 33: 332, 622, 629, 638.
- Hi'nāmâ**, Maricopa village 26: 22.
- Hinchman, Augustus F.**
 owner of Burton Mound 41: 108; 44: 58.
 relics collected by 44: 66.
- Hinchman, Miss Stella F.**
 acknowledgment to 41: 108.
 information furnished by 44: 58.
- Hind, Henry Youle**
 on birds destructive to wild rice 19: 1027.
 on burial feast 1: 191.
 on dependence of Indians on wild rice 19: 1100.
 on drowning of wild rice 19: 1099.
 on finger necklace 9: 483.
 on Indian medicine men 9: 464, 513.
 on Indian powder 9: 513.
 on ring and pin, Montagnais 24: 539.
 on wild rice destroyed by caterpillars 19: 1100.
 on wild rice eaten with blueberries 19: 1083.
 on wild rice in Winnipeg system 19: 1035.
- Hindu or Hindoo**
 and Egyptian symbol, lotus flower 10: 618.
 mythology, monsters in 16: 214.
 mythology, wind-god in 16: 221.
 myths 19: 431.
 pictographs in rice flour 10: 211.
 turtle in mythology of 14: 976.
 women, superstition of 10: 196.
- Hindustan (=India)**, cup sculpture in 10: 196.
- Hinge Beads**, specimens of, obtained 44: 160.
- Hinged Sashes**, not in use in Zuñi 8: 196.
- Hinges**
 of Pueblo doors 8: 184.
 of Eskimo boxes 18: 93-100.
 on Eskimo doors 18: 244.
- Hingham, Mass.**, pottery from 20: 168, 179.

Hinman, Rev. S. D.

- cited on stone gods 11: 446.
 classification of pictography by 10: 204.
 Oglala roster obtained by 4: 174; 10: 420.
 on Sioux myths 19: 450.
 on the cross as a symbol among Dakotas 4: 253.
 work of 2: xxv.

Hinon

- in Iroquoian cosmology 21: 339.
 name for thunder in Iroquoian cosmology 21: 336.
See also **Hi-nuⁿ**; **Thunder People**.

Hinton, Richard J.

- on Casa Grande 28: 53, 68 sq.
 on Picuris 29: 182.
 on ruin near mouth of Granite Creek 28: 204.
 on Taos 29: 182.
 references to 28: 201, 203.

Hi-nuⁿ

- and Niagara, Seneca legend 2: 54.
 destroying the Giant Animals, Iroquois myth 2: 54.
 or Thunder-god of the Iroquois 2: 51.

Hisagita Immisi, name of supreme being 42: 481.**Hispaniola or Hispañola**

- another name for Santo Domingo 34: 131.

See also **Haiti**.

Historical

- evidence of mound-building by Indians 12: 645, 659.
 exposition in Madrid 13: xxxviii.
 map of Pennsylvania, pictographs 4: 226.
 traditions of the Cherokee 19: 232, 350-397.

Histories

- definition of 20: xci.
 Kwakiutl family 35: 836-1277.

History

- and customs, limitations to the use of, in study of anthropology. 1: 76, 77.
 Casa Grande 28:
 detailed accounts 54-81.
 general discussion 53 sq.
 reference to 33.

95719°—33—31

History—Continued

- importance of study of ornament in 20: 64.

- Indian, work relating to 40: 2.
 of education among North American Indians 3: xxix.
 of sign language 1: 285.
 of the Cherokee 19: 14-228.
 of the Dzendzenx-q!ayo 35: 1080.
 of the Seri Indians 17: 51-122.
 of the Sia Indians 11: 10.
 of the Siouan tribes 15: 189.
 of the Tlingit 26: 407-414.
 pictographic methods of recording 10: 551-570.

Pima annals 26:

- calendar 36 sq.
 chronological records 34 sqq.
 contact with Spaniards 26-29.
 name 19 sq.
 narrative 38-66.
 nature of events 37 sq.
 prehistoric ruins 23 sq.
 relations with Americans 30-34.
 villages 20-23.
 value of pottery in study of 20: 18, 19, 21 sq.

History of Indian Tribes, by H. Schoolcraft, quoted 4: 20, 199.**Histrionic Art**, development of 19: LXXIX sqq.**Hitäniwoiv**, Cheyenne name of the Arapaho 14: 953.**Hitäsina**, Arapaho name of the Cheyenne 14: 1023.**Hitchcock, A. S.**, on absence of wild rice in Kansas 19: 1030.**Hitchcock, C. H.**, examination of quarry-shops by 15: 52.**Hitchcock, Gen. E. A.**

- a source of Creek ethnology 42: 679.
 use of notes of 42: 66.

Hitchia (*Byrsonima spicata*), drink 38: § 271.**Hitchiti**

- allocation of clans in beds at 42: 201-204.
 arrangement of square ground of 42: 226 sq., 272.
 clan councils of 42: 125.
 clans of, furnishing chiefs and henihas 42: 193, 194.

Hitchiti—Continued

- clans, phratries and moieties of 42: 160.
- Lower Creek White town 42: 125, 254.
- of Muskogean stock 42: 677.
- position of beds at 42: 198.
- terms of relationship 42: 88.
- tribes speaking 42: 248.

Hitchiti Seminole

- allocation of clans in beds at 42: 201-204.
- arrangement of square ground of 42: 233, 288.
- clan councils of 42: 126.
- clans of, furnishing chiefs and henihās 42: 193, 194.
- clans, phratries and moieties of 42: 161 *sq.*
- position of beds at 42: 199.
- Seminole White town 42: 126, 257.

Hitiraki, death of 26: 61.**Hittite** emblems of sound 10: 662 *sqq.***Hitton**, William, cited 12: 624.**Hitu'nēna**, an Arapaho division 14: 955.**Hiwasse Island**, account of 42: 840.**Hiwasse River**, trail down 42: 837.**Hiwassee**

- pseudo myth concerning 19: 416.
- trail through 42: 750.

Hiwassee Towns

- burning of, in 1788 19: 65.
- hostility of, in 1786 19: 63.

Hix. *See* Balam; Ix.**Hjalmarson**, —, Antillean skull found by 25: 29.**†Hle'wekwe**, Wood Fraternity or Sword Swallowers 23: 410, 417, 444-485.**Hmí'sís**, a Cheyenne division 14: 1025, 1026.**Hoamakeikekula** 33: 655.**Hoar**, *Senator* —, bill by, to preserve Casa Grande 13: LVII.**Hoar**, G. F., interest of, in Casa Grande 15: CII, 346.**Ho-aránni**

- legends concerning 30: 244 *sq.*, 248, 250 *sq.*

See also Water Spirits.

Hoard Mounds

- location of 37: 99.
- number of 37: 100.

Hobart, E. F., reference to 29: 292, 296.**Hobayi Imala**, warrior of the Creek nation 42: 328.**Hobbs**, B. C.

- contract for schools for East Cherokee brought about by 19: 176.
- on East Cherokee schools 19: 176.

Hoboe, reed instrument 38: § 570.**Hoboi-hil Yahola**

- a Tukabahchee leader 42: 309.

See also O. Porthle Yoholo; Opothleoholo; Opothleyoholo.

Hoch, phonetic value of 14: 233.**Hochelaga**, Iroquoian pottery from site of 20: 170.**Hochstetter**, Dr. Ferd. von, quoted 4: 200, 201.**Hockey**, played by the Eskimo 18: 337.**Hoddentin**

- a prehistoric food 9: 518.
 - analogues of 9: 530 *sqq.*
 - bags for carrying 9: 500.
 - employment of, as an amulet 9: 503-506.
 - employment of, by the Apache 9: 499-507.
 - employment of, in corn culture 9: 502.
 - employment of, in sickness 9: 502-505.
 - offering of, to the sun, moon, etc. 9: 501 *sq.*
 - use of, by the Zuñi Indians 10: 221.
 - the *yiauhli* of the Aztecs 9: 521 *sq.*
- See also* Pollen.

Hodge, David, information furnished by 42: 125.**Hodge**, Frederick Webb

- acknowledgments to 14: 339, 599; 17: 20, 527; 28: 53; 29: 38; 30: 38; 32: 71.
- administrative work of 32: 10.
- aid given to Dr. J. W. Fewkes by 22, i: 120.
- appointment of, as "Ethnologist-in-Charge" 31: 7.
- archeologic discovery by 21: XVIII.

Hodge, Frederick Webb—Continued
 collections made by 33: 36.
 cyclopedic work of 21: xxxii.
 Enchanted Mesa explored by 47: 25.
 ethnologic research by 32: 11.
 Ethnologist-in-charge, mention of 32: 9.
 field work of 21: x.
 identification of cities of Cibola by 14: 361, 389.
 identification of Plains Indians by 14: 396.
 identifications by 17: 53, 55.
 information furnished by 24: 194.
 list of Bureau publications by 16: CI-CXIX; 17: LXXV-XCIII; 18: LIX-LXXVIII.
 mention of 44: 92; 45: 532.
 notes on accompanying papers 28: 21 sq.; 29: 25; 30: 25-28.
 office work by 20: xxiii; 22, i: 120.
 on Acoma 29: 542, 543, 544, 545.
 on Amoxiumqua 29: 395.
 on Astialakwa 29: 397.
 on ball race, Zuñi 24: 683-686.
 on Bear Spring 29: 561.
 on Canadian River 29: 561.
 on Chupadero Creek 29: 244.
 on city of Cibola 19: 650.
 on Cochiti 29: 439, 440.
 on Cochiti clan name 29: 453.
 on colander fragments from Salado ruins 17: 624.
 on cotton at Tusayan 14: 550.
 on Enchanted Mesa 29: 545.
 on Galisteo 29: 481, 483, 484.
 on Haatze 29: 425.
 on irrigation by Hohokam 26: 87.
 on Isleta 29: 528, 529.
 on Jacona 29: 330.
 on Jemez 29: 400, 401, 402.
 on Keresan and Tanoan Snake clans 16: 304.
 on Kapiwari 29: 385.
 on Laguna 29: 539, 540, 541.
 on Mescalero Apache 29: 575.
 on Nambé Pueblo 29: 359, 360.
 on native names for Taos 14: 575.
 on Ojo Caliente de Pagosa 29: 564.
 on origin of Keresan Snake dance 16: 310.

Hodge, Frederick Webb—Continued
 on origin of Sia Snake dance 16: 309.
 on Patoqua 29: 397, 398.
 on Pecos 29: 473, 474, 475, 476, 477.
 on Picuris 29: 192, 193.
 on Pogueate 29: 538.
 on Pojoaque 29: 335.
 on Potrero 29: 259.
 on probable identification of Teyas 14: 524.
 on Puaray 29: 524.
 on Puebla 29: 258.
 on pueblo of Matsaki 14: 517.
 on Pueblo ruins 29: 393, 395, 404, 406, 407, 408, 456.
 on Quivira 29: 565, 566.
 on recent advent of the Navaho 17: 658.
 on San Cristóbal 29: 486 sq.
 on San Felipe 29: 498, 499.
 on San Felipe Mesa 29: 496.
 on San Gabriel 29: 228.
 on San Ildefonso 29: 304, 305.
 on San Juan 29: 212.
 on Sandia 29: 525, 526, 527.
 on Santa Ana 29: 520.
 on Santa Clara 29: 241, 242.
 on Santo Domingo 29: 447, 448.
 on Sia 29: 517.
 on stone-close of Halona 8: 193.
 on Taos 29: 179, 180, 181, 182, 183.
 on Teguayo 29: 572.
 on Tesuque 29: 387, 388.
 on Tsawarii 29: 254, 256.
 on Yuqueyunque 29: 227.
 on Zuñi foot racing 14: 247.
 on Zuñi name for Acoma 14: 490.
 Pima vocabulary by 26: 269.
 references to 29: 323, 549.
 researches by 16: xx, xxiii, xxvi, xxvii, xxxi, xxxvi, xxxviii, xl, xliv, xlvii, lii, lvi, lxxi, lxxvii.
 resignation of 39: 27.
 shields collected by 26: 122.
 Sikyatki excavation aided by 17: 684.
 sociological researches of, among Pueblo tribes 21: xxii, xxiii.
 specimens obtained by 40: 20.
 systematic research by 33: 10.

- Hodge, Frederick Webb**—Continued
work of 13: XXXV; 14: XLV, LVII;
15: XXII, XXV, XXIX, XXXIII, XXX-
IV, XXXVIII, XLII, XLIII, XLVII, LII,
LVI, LX, LXIII, LXVII, LXXIX, XCII;
17: XXXIX *sq.*, XLVIII, LVI; 18:
XLVI; 19: XIII, XV, XXIX *sq.*,
XXXI, XXXII; 24: XXIII, XXV,
XXVI; 25: XX; 26: XXIII-XXVI;
27: 7, 12; 28: 11, 14, 19; 29:
11 *sq.*, 21; 35: 9-14; 36: 9;
37: 1-4; 39: 9, 10 *sq.*
- Hodge, Hiram C.**
inquiry by, as to mountain sheep
26: 82.
on ancient irrigation ditch 28: 114.
- Hodge, Mrs. M. W.**, acknowledgment
to 17: 527.
- Hodges, W. T.**, killed at Wounded
Knee 14: 872.
- Hodgson, Adam**, on racket, Chicka-
saw 24: 597.
- Hodgson, W. B.**, on Grave Creek
tablet 12: 632.
- Hodjanaga**, fasting experience of 37:
347.
- Hoe Buckintoopa**, treaty of 18: 664
- Hoes**
bone, of the Omaha 13: 278.
boulders used for 15: 142.
method of adjusting handles of 13:
133.
production of, by flaking 15: 26.
stone, Casa Grande 28: 131 *sq.*
use of, in steatite working 15: 111.
- Hoeven, J. v. d.** 46: 369.
- Hoff, Dr. A. H.**, maskette collected in
Alaska by 3: 118.
- Hoffman, Dr. W. J.**
acknowledgments to 10: 30.
aid of 4: 18.
cited 16: LIV.
collaboration of, in sign language
1: 399.
contributor to Bureau 48: 1189.
death of 21: XXXVIII.
discussion of turtlebacks by 15: 30.
drawing of Pima burial by 1: 111,
153.
ethnological labors of 21: XXXIX.
exploration by 15: LXXIII.
field work of 6: XLI, XLII.
information furnished by 10: 358.
- Hoffman, Dr. W. J.**—Continued
material collected by 24: 73, 340,
707.
memoir by, on Menomini Indians
14: L, 3-328.
Menomini synonymy of, reference to
19: 1048.
mention of 1: 99.
obituary of 48: 1221.
office work of 6: XLV.
on Beaver Creek cliff ruin 13: 186
on dice games, Menomini 24: 73 *sq.*
on eating wild rice with maple sugar
19: 1085.
on influence of wild rice on geographic
nomenclature 19: 1119.
on hand-and-foot ball, Crows 24:
707.
on hidden ball, Menomini 24: 343
sq.
on hoop and pole, Santa Barbara
24: 472.
on Menomini curing wild rice 19:
1066.
on Menomini gathering wild rice
19: 1062.
on Montezuma's well 13: 186.
on Ojibwa medicine 9: 452, 511.
on Ojibwa medicine tube 13: 127.
on organization of Menomini tribe
19: 1091.
on origin of Winnebago tribal name
19: 1052.
on popular synonym for wild rice
19: 1033.
on racket, Chippewa 24: 564 *sq.*,
567 *sq.*
on racket, Santee Dakota 24: 611 *sq.*
on shinny, Menomini 24: 622.
on ruins at Montezuma Well 17:
546.
on snow-snake, Menomini 24: 404
sq.
on storing wild rice in cedar bark
bags 19: 1072.
on symbolic colors 11: 532.
on thrashing wild rice 19: 1068.
papers by 7: 143-300; 17: LVI.
petroglyphs described and copied by
10: 106, 109, 121, 127.
report by, on Hualpa Indians 10:
221.
report by, on Indian mnemonic de-
vices 10: 223.

Hoffman, Dr. W. J.—Continued
 report by, on Ojibwa Grand Medicine Society 10: 626 sq.
 rock paintings reported and described by 10: 52 sq., 56, 60, 64, 71 sq., 99 sq.
 work of 3: XXIII; 5: XXXI, XXI; 7: XXXVI; 8: XXI sq., XXIX; 9: XXXII, XXXIII, XXXV; 11: XXVI, XXXVIII; 13: XXVI, XXXI, XXXIX; 14: XXXIII; 15: XXIII, XXVI, XXXI, XXXVI, XLI, XLV, LXXX, LXXXV; 16: LII.
 work of, cited 28: 186.

Hoffmanseggia Falcaria Cav., Pima food plant 26: 78.

Hog
 Cherokee name for 19: 215.
 raising of, by Cherokee 19: 82, 112.
See also Bush Hogs; Hogs; Pig.

Hog Creek Shawnee land cessions and reservations 18: 686, 732.

Hog Island, Me.
 mounds on 44: 437.
 petroglyphs on 10: 83.

Hog Island Mound
 collection from 42: 19.
 mention of 44: 446-449.

Hog Medicine, use of 42: 658.

Hog Peanut, use of 44: 289, 307, 320, 346.

Hog Plum (*Spondias lutea*) 38: § 247.

Hog-sucker in Cherokee myth 19: 308.

Hogan, Father —, mission founded by 45: 385.

Hogans (*or Huts*)
 of the Navaho 4: 473.
 resemblance to semisubterranean dwellings in Alaska 46: 82.
See also Houses.

Hogăpăgoni, Shoshoni name of the Paiute 14: 1048.

Hogs
 taboo of, as food 42: 518.
 wild, legend of 30: 360.
See also Hog.

Hoh Indians
 population and habitat of 7: 63.
 researches among 29: 23.

Hohe
 Cheyenne name of the Assiniboin 14: 1024.
 meaning of the term 15: 222.

Hohilpo, a Kutenai band 14: 731.

Hohnogića, description of 11: 473.

Hoho-hit, Warrau music master 38: § 570.

Hohokam
 application of the term 28: 153.
 arrowheads 26: 111.
 art 26: 164.
 cigarettes 26: 119.
 general culture 26: 166.
 influence of, on Pima weaving 26: 149.
 irrigation 26: 87, 89.
 meaning of term 26: 24.
 metates 26: 109.
 mortuary custom 26: 194.
 pottery 26: 124, 127, 136.
 references to 28: 42, 117.
 relationship of Pima to 26: 164.
 relationship with Hopi or Zuñi 26: 26.
 remains 26: 54.
 ring and pin game of the 24: 552.
 sacred places of 26: 254, 256.
 shovel used by 26: 97.
 variant of name 26: 25.
See also Gila-Salt Region (*early inhabitants of*).

Hohola, Andres, chief of the shuré 47: 263.

Hohola, Antonio, office held by 47: 259.

Hohola, Dolores, town chief 47: 256.

Hohola, Manuel, assistant hunt chief 47: 261.

Ho-ho-qõm
 name applied to Pima's ancestors 28: 71.
See also Hohokam.

Hohoqom, a variant of Hohokam 26: 25.

Hoissen, —, mound opened by 12: 93.

Ho-ith-le-poie Hau-jo, a warrior of the Creek nation 42: 328.

Hok
 definition of 16: 241.
 legendary Pima monster 28: 48 sq., 52.

Hok'ixe're Dance, description of 37: 379-383.

Hokol symbol, discussion of 16: 218.

- Hokona-mana** (*Butterfly-virgin slab*),
at Walpi Snake altar 19: 983.
- Hokyaña**
derivation of 21: 125.
description of 21: 94.
peculiar dancing step of 21: 94.
- Hokyaña mana**, description of 21: 95.
- Holbrook, J. L.**
on Cherokee misisions 19: 84.
on Chief N. J. Smith 19: 178.
- Holbrook, W. C.**, on burial mounds 1: 118.
- Holbrook, Ariz.**
petrified forests near 22, i: 19, note.
pueblo ruins near, visits to 22, i: 19, 134 *sqq.*
ruins near 17: 533.
- Holcuma**
land cessions and reservations 18: 782.
See also **Howkuma**
- Holden, Prof. E. S.**
contributor to Bureau 48: 1189.
obituary of 48: 1221.
studies of, on Central American picture writing 1: xxv.
- Holder for cigars** 38: § 283.
- Holder of the Heavens**, power of the Iroquois god 2: 52.
- Hole-in-the-Day**, reservation for 18: 802.
- Holes** for labrets, Eskimo method of making 18: 48.
- Holguin, Captain** —, Payüпки attacked by 17: 583.
- Holihonaya**, office of 42: 296.
- Holiwahali**
a Red town 42: 255.
See also **Liwahali**; **Ulibahali**.
- Holland**, —, steatite quarry on place of 15: 130.
- Holland.** *See* **Dutch.**
- Holland Land Company**
sketch of 14: 21.
transactions of, with Seneka 18: 659, 662, 663.
- Hollow Horn Bear**, portrait made of 34: 28.
- Hollowing King**, an influential Coweta chief 42: 322, 323.
- Hollowell, Frank**, death of 17: 202.
- Holly**, medicinal use of 42: 665.
- Holly Springs, Miss.**, trail to 42: 821.
- Holm, G.**
description of Eskimo house by 9: 77.
description of Eskimo tattooing by 9: 139.
on East Greenland Eskimo population 7: 75.
on Greenland Eskimo 7: 72.
quoted on Eskimo amulets 9: 441.
quoted on Eskimo burials 9: 425, 426.
quoted on Eskimo children 9: 416, 418.
quoted on Eskimo government 9: 427.
quoted on Eskimo marriages 9: 411, 412, 413.
work of, consulted 9: 22.
- Holman, Paul**, report by, concerning pictographs 10: 49.
- Holmberg, Alec** 46: 65.
- Holmes, Abiel**, quoted on Plymouth's Indian policy 18: 600 *sq.*
- Holmes, J. A.**, examination of quarry-shops by 15: 52.
- Holmes, J. Henry**, letters of 39: 23.
- Holmes, Oliver W.**, petitions for Casa Grande repairs 15: ciii.
- Holmes, William**, purchase of land from Indians 18: 612.
- Holmes, Prof. William H.**
aboriginal pottery of the eastern United States 20: 1-201.
acknowledgments to 24: 30; 25: 18; 30: 38.
administrative report of 24: ix-xl; 25: ix-xxix.
appointed chief of Bureau 24: x.
archeological exploration of 23: xv.
archeological studies of 5: xxxv.
art in shell of ancient Americans 2: 179.
artistic aid of 1: 400.
bulletin by 39: 24.
bulletin by, on ancient quarry 15: LIV, LVIII, LXV, LXVIII.
catalogue of ethnologic collections by 3: 393, 510.
characterization of monograph by 15: xciii, xciv.
cited 33: 164, 182, 193, 196, 197.
cited on shell carvings 3: 61.
cliff ruins described by 16: 81.

Holmes, Prof. William H.—Contd.

- collaboration of 34: 26.
- collections made by 20: xxiv;
29: 21.
- contributor to Bureau 48: 1189.
- discussion of designs on copper plates
12: 308.
- drawings by 1: 106, 203.
- earlier papers by, on American pottery
20: 67, 87, 94.
- esthetological researches of 21:
xiii.
- field work of 20: x; 21: x, xiii.
- figure of Mississippi mound by 12:
253.
- figure of pottery from Arkansas by
12: 240.
- figure of serpent mound by 12:
493.
- indebtedness to, acknowledgment of
12: 25.
- investigation of Northeastern Algon-
kians by 23: xiv.
- memoir by, on prehistoric textile art
13: 3-45.
- memoir by, on stone implements
15: xciv, 13-152.
- mention of 46: 333.
- monograph on aboriginal pottery by
23: xxv.
- monographs prepared by 15:
lxxviii.
- office work of 6: xlviii, xlix;
20: xvi.
- on chimney-like structures 16: 188.
- on distribution of art designs 25:
216.
- on evolution of pottery designs 17:
715, 716, 727.
- on Peruvian featherwork 13: 27.
- on pictography 4: 60, 87, 194.
- on prehistoric textiles 13: xlvi.
- on Pueblo pottery 14: 522.
- on ruins of San Juan 8: 147.
- on San Juan cave lodges 13: 222.
- on stone yokes 25: 253, 256, 259.
- papers by 10: 209 *sqq.*; 17: lvi,
lvii; 37: 28; 40: 17.
- paper on ancient art, abstract of
6: li-liv.
- paper on textile arts, abstract of
6: liv, lv.
- petroglyphs copied and described by
10: 88 *sq.*

Holmes, Prof. William H.—Contd.

- prehistoric textile fabrics of the
United States, derived from im-
pressions on pottery 3: 393-441.
- preparation of Handbook of Archeol-
ogy by 33: 31.
- references to 19: 699; 41: 246;
44: 470.
- report of 27: 7-14; 29: 9-25;
30: 9.
- researches by 11: xxiv, xxvi,
xxxiv; 14: xxxv; 16: xix, xxii,
xxix, lxxvii.
- resignation of 15: lxiii, lxxviii.
- review of archeologic work 15:
lxxiii, xciv.
- rock sculptures described by 10:
475.
- runttee figured by 24: 77.
- severs official connection with Bureau
31: 7.
- sketch by 34: 190.
- shows types of shell pens 12: 686.
- thinks Codex figures colored 3: 41.
- work of 2: xxxiv; 7: xxxii; 8:
xxv, xxvi; 9: xxix *sq.*, xxxviii;
10: x, xxi; 13: xxvi, xxxv;
15: xxi, xxiv, xxv, xxvii, xxviii,
xxxiii, xxxvii, xli, xlii, xlvi,
xlvii, l, li, liv, lv, lviii, lix,
lxiii, lxvi, xci; 24: xi *sq.*, xxiv,
xxix; 25: xi, xii, xxvi; 26:
x-xiii; 27: 7; 28: 10; 30: 10,
12, 22; 29: 10 *sq.*; 34: 22; 36:
22; 37: 21; 39: 21.
- Holmes Run**, steatite quarries on
15: 131.
- Holmiuk** land cessions and reserva-
tions 18: 782.
- Holocantha Emoryi** 26: 134, 157.
- Holoclame** land cessions and reserva-
tions 18: 782.
- Hololupi** land cessions and reserva-
tions 18: 784.
- Holston**
pictographs on the 4: 33.
supplement of treaty of 19: 77.
treaty of, in 1791 19: 69, 214.
- Holston River, Tenn.**
petroglyphs on 10: 115.
treaty of 18: 652.
- Holston Valley, Tenn.**
ancient Indian town in 42: 751.

Holston Valley, Tenn.—Continued
 mounds in 5: 75 *sqq.*
 trail through 42: 749.

Holub, E., on rock etching by Bushmen
 13: 164.

Holy Cross in Alaska 46: 61, 64, 66,
 81, 127, 129, 130, 136, 141.

Holy Ground, battle of 19: 92, 217,
 502.

Holy Men, greeting to 39: 102.

Holy Places, treatment of, in Hako
 ceremony 22, ii: 32, 33.

Holyhead, pitted disk found at 13:
 99.

Homalium, for red paint 38: § 28.

Homans, —, cited on Massachusetts'
 Indian policy 18: 602 *sq.*

Home
 sign for 1: 483, 485.
See also House; etc.

Home Products, Guiana Indian 38:
 § 824.

Homeopathic Principle in Zuñi
 medicine 30: 48.

Homer, Nebr., reference to 27: 99,
 623.

Homicide
 among Guiana Indians 38: § 728.
 punishment in cases of 42: 344.

Hominy, an Osage village 36: 45.

Hominy, preparation of 30: 76.

Homogeneity, Eskimo 46: 358.

Homograph
 infrequent 40: 28.
 reference to 40: 295.

Homolobi
 an ancient Hopi village 13: 189.
 date of removal of clans from 19:
 598–603.
 early inhabitants of 28: 218.
 legend of Water People concerning
 8: 31.
 location of 17: 532.
 site of old Patki pueblo 19: 597.
 the early home of the Sun and
 Water Peoples 8: 29.
 tradition of 15: LXXI.
 work at 17: XLV.

Homolobi Group
 of Pueblo ruins 22, i:
 animal remains found at, list of
 species of 110.
 bone implement from 94.

Homolobi Group—Continued
 of Pueblo ruins 22, i—continued
 cloth fragments discovered at 97.
 collections from, study of XVIII.
 date of work at 17.
 dippers from, figures of 65.
 excavations at, by Dr. J. W.
 Fewkes XVIII.
 former inhabitants of 24 *sq.*
 jar from, figure showing 67.
 location of 23 *sq.*
 matting found at 98.
 metates found in graves at 103,
 104.
 mug from, figure showing 65.
 pipe clay, fragments of, found at
 111.
 pottery from, bird figures and
 symbols on 73, 75, 76 *sq.*, 81.
 pottery from, human faces and
 figures on 71.
 pottery from, spider and sun em-
 blem on 81 *sq.*
 prayer sticks from, form of 100.
 roof and floor construction at 110.
 Ruin 1, bones found at 26.
 Ruin 1, cemetery at, excavations
 in 28.
 Ruin 1, features of 25, 26.
 Ruin 1, location of 25.
 Ruin 1, plan of 26.
 Ruin 2, excavations at 29.
 Ruin 3, adobe blocks used at 29.
 Ruin 3, bone implements found at
 30.
 Ruin 4, features of 30.
 Ruin 4, pictographs at 30.
 shell ornaments from 88, 89, 92.
 specimens collected at, number of
 18.
 stone implements from, cuts show-
 ing 102.
 traditional location of 22.
 vase from, bird figures on, charac-
 ter of 75 *sq.*

Homomorphs and symmorphs 4:
 239.

Homomorphy of signs with diverse
 meanings 1: 342.

Homovi
 painting of pictures of katecinas by
 21: 14.
 personation of Pautiwa by 21: 59.

Hoⁿ', gens of the Kansa 27: 67.

Ho-na'-ai-te ceremonial over hunters
11: 120.

Honani

celebration of advent of kateinas of,
in Pamürti 21: 57.
ruins near house of, reference to
22, i: 55.
women of, stolen and divided be-
tween Mastemo, Mishongnovi
and Walpi 19: 606.

Honani or Badger Clan

advent of, at Walpi 19: 585 *sq.*
affiliations of, with Zuñi 21: 29.
celebration and return of ancients
21: 26, 28.
figurines of Corn maidens possessed
by 21: 87, 88.
Hopi kateinas derived from 21:
125.
house of, arrangement of masks in
21: 28.
house of, display of masks in 21:
66.
house of, entrance of Pamürti pro-
cession into 21: 28.
masks belonging to 21: 65.
migrations and census of 19: 606
sq.
origin of 21: 26.
participation of, in Pamürti festival
21: 21.
Zuñi masks in possession of 21: 66.

Honani Group, component clans of
19: 584.

Honanki

art remains found at 17: 569.
description of 28: 195 *sqq.*
discovery of ruin of 17: 534, 551.
origin of name of 17: 553, 559.
ruin of, discussion of 17: 558 *sq.*

Honau

appearance of, in Palülukoñti festi-
vals 21: 52.
picture of, in house of war god 21:
25.

Honau or Bear Clan

advent of, at Walpi 19: 585 *sq.*
early history of census of 19: 604.

Honau Family of Walpi, mask of 21:
112.

Honau Group, component clans of
19: 584.

Honaupabi, same as Kipo 19: 614.

Honyi

badge of, in Flute ceremony 21:
29.

Tcabaiyo personated by, in Powamû
festival 21: 75.

Hon'-ba Tha-gthiⁿ, wi'-gi-e of 36:
127.

Hon-be-çu Ceremony 39: 61 *sqq.*

Hon'doⁿmonthiⁿ, remarks of 27: 637.

Honduras

bas reliefs in 19: 672.

exploration of, by Alvarado 14:
352.

memoir on mounds in 19: xli *sq.*

Honesty among Guiana Indians 38:
§ 736.

Honey

anointment with 15: 289.

mention of 38: § 227, 255.

string figure of 38: § 670.

symbol in Troano Codex 16: 256.

symbolic use of 47: 893.

why scarce, legend of 30: 204

See also Bees.

Honey-Bee Son-in-law

legend of 30: 199 *sq.*

See also Bees.

Honey-Locust

medicinal use of 42: 658.

myths and lore concerning 19: 312
sq., 344, 465, 481.

Honeysuckle, use of 44: 290, 340;
45: 457, 471, 499, 516.

Honeysuckle Bush, use of 44: 289,
342.

Hon'ga

a great division of the Osage 45:
549.

application of the name 27: 40 *sq.*

divisions of 27: 40, 41, 61, 64;
45: 564.

kinship group 27: 58, 60, 61, 62,
63.

Hon-ga A-hiu-toⁿ Gens

life symbol of 36: 104.

office of 39: 92.

symbol of 39: 50.

wi'-gi-e of 36: 104 *sq.*

Hon'-ga Division

groups composing 43: 45.

names of 43: 133-143.

Hon'-ga Gens

authority and power of, to organize
war parties 39: 345.

Hon'-ga Gens—Continued

- Council of Seven convened by 27: 196.
 general account of 27: 40 *sq.*, 153, 194 *sq.*
 in anointing Sacred Pole 27: 231, 232, 237.
 in He'dewachi 27: 252, 259.
 names in 27: 70.
 part of, in establishing Nini'batoⁿ divisions 27: 201.
 references to 27: 45, 147, 160, 203, 589.
See also names of subgentes and of other divisions.

Hon'ga Great Division

- ceremonial position of 36: 83.
 gentes of 36: 84.
 one of the two tribal divisions 36: 51.
 origin of the people of the 36: 59.
 subdivisions of the 36: 51.

Hon'-ga Gthe-zhe Gens, personal names of the 43: 136-139.**Hon'-ga Seven Fireplaces**, places of, in ceremony 39: 84.**Hon'-ga Subdivision**

- gentes belonging to 36: 84; 39: 84.
 wi'-gi-es of 36: 104-118.

Hon'ga Subgens

- connection of, with Sacred Corn 27: 262.
 wathon' appointed by 27: 276.

Hon'-ga Tribal Division

- divisions of the 39: 84.
 ritual belonging to the 39: 205.
 songs belonging to the 39: 77.

Hon'ga Utanatsi

- gens, Kansa 27: 40.
 kinship group, Osage 27: 40, 58 *sq.*, 62, 63, 199.

Hon'-ga U-ta-noⁿ-dsi Gens

- a tribal division 39: 82, 83, 205.
 discovery of, by the Wa-zha-zhe 36: 59.
 house of 39: 82.
 life symbols of 36: 102, 103, 104.
 mythical story about 39: 100.
 place of, in ceremony 39: 84.
 personal names of 43: 132 *sq.*
 symbol of 39: 50.
 wi'-gi-e of 36: 102 *sqq.*

Hon'-ga U-thu-ha-ge Gens, personal names of 43: 139 *sqq.***Hon'-ga Wa'-tse-ga-wa**, a tribal division 39: 82.**Honga-sha-no**, divisions of the 15: 161.**Hon'gashenu Division**

- place in tribal organization 27: 40, 135, 138, 195, 196 *sqq.*
 reference to 27: 208.
 represented by Sacred Tent 27: 154.
See also **Earth-People**; and names of gentes.

Hon'gashinga Gens, Kansa 27: 67.**Hon'gatoⁿga**

- gens, Kansa 27: 40, 67.
 group, Quapaw 27: 40, 68.

Hon'gaxti, division of the Washa'betonⁿ subgens (Hon'ga) 27: 147 *sq.*, 155, 159.**Hon'gazhinga**

- group, Quapaw 27: 68.
See also **Small-Hon'ga**.

Hongi, tattooing of 4: 75.**Hon'hewachi Society**

- admission 27: 211, 212, 378.
 among Oto 27: 501.
 feast of the Hon'hewachi 27: 500-509.
 general description of 27: 493 *sqq.*, 507, 508.
 one hundred wathin'ethe of 27: 495 *sqq.*
 part in authorizing war party 27: 416.
 punishment inflicted by 27: 583 *sq.*
 references to 27: 253, 285.
 rites of 27: 596.
 songs of 27: 502 *sq.*, 508.
 Watha'wa feast of 27: 497-500.

Ho' I-ni-ka-shi-ga Gens, personal names of 43: 130 *sqq.***Hon' I-ni-ka-shi-ga Gens**

- personal names of 43: 155 *sqq.*
 wi'-gi-e of 36: 123 *sq.*

Honiyi

- Flute speaker chief, at Walpi 19: 1001-1004.
 prominent Antelope priest 19: 977.
Hoo Tshoop. Menomini treaty signer 14: 28.

Hooch, meaning of 16: 235.**Hood, Robert N.**, aid of, acknowledged 5: 130.**Hoods**, Eskimo 18: 30-36.

Hoodsunu, population of 7: 87.
Hoofs, use of, as "bells" 38: § 575.
Hook and Line
 with bait 38: § 191, 192.
 without bait 38: § 193.
Hook, Spring, Guiana Indian 38:
 § 196-200.
Hooks
 boat, used by the Eskimo 18: 222
 sq.
 fishing, Eskimo 18: 175-183.
 for alligator 38: § 217.
 for belt fasteners, Eskimo 18: 62.
 for devilfish 35: 151 *sq.*
 for fish 38: § 191 *sqq.* *
 for handling blubber, Eskimo 18:
 73.
 for picking elderberries 35: 155.
 from Guadeloupe 34: 135.
Ho-onyî. *See* Corn God.
Hoop and Pole
 counts employed in 24: 422.
 distribution of 24: 420.
 element of chance in 24: 383
 essentials of 24: 420.
 field for 24: 421 *sq.*
 hoop game 24: 445 *sq.*
 implements used in 24: 420 *sq.*
 origin and significance of 24: 422-
 441.
 played by the 24:
 Achomawi 494.
 Apache 420, 422, 449-457.
 Apache, Chiricahua 429, 449.
 Apache, Jicarilla 449.
 Apache, Mescalero 449 *sq.*
 Apache, San Carlos 450.
 Apache, White Mountain 450-
 459.
 Arapaho 420, 422, 430, 441 *sqq.*,
 445.
 Arikara 461 *sq.*
 Assiniboin 502.
 Bannock 495.
 Bayougoula 485.
 Blackfeet 443 *sq.*, 502.
 Bellacoola 421, 489 *sq.*
 Caddo 462 *sq.*
 Caddoan stock 421.
 Caughnawaga 474 *sq.*
 Cherokee 421, 475, 487.
 Cheyenne 429 *sq.*, 442, 445 *sq.*,
 507.
 Chippewa 427, 446.

Hoop and Pole—Continued
 played by the 24—continued
 Choctaw 421, 485 *sq.*
 Chowchilla 484.
 Chukchansi 482.
 Colville 457.
 Comanche 442.
 Creeks 422, 487.
 Crows 428 *sq.*, 502.
 Dakota 421, 517.
 Dakota, Oglala 421, 430, 431,
 433 *sqq.*, 503-507.
 Dakota, Teton 508.
 Dakota, Yankton 431, 508 *sqq.*
 Delawares 421, 446 *sq.*
 Eno 510.
 Eskimo, Central 472 *sqq.*
 Eskimo, Western 373, 474.
 Esselen 472.
 Grosventres 429, 447.
 Haida 517 *sq.*
 Hidatsa 487, 511.
 Hopi 421, 495-498.
 Huma 486.
 Hupa 427 *sq.*
 Iroquois 422.
 Keres 421.
 Kiowa 442, 478.
 Klamath 479-482.
 Koyeti 482.
 Kwakiutl 421, 519-522.
 Makah 421, 522.
 Mandan 421, 459, 511 *sqq.*
 Mohave 420, 523 *sqq.*
 Mono 498.
 Muskogee 421, 486 *sqq.*
 Natchez 488.
 Navaho 421, 422, 429, 457-460,
 519.
 Nez Percés 493.
 Nishinam 489.
 Niska 421, 471.
 Nootka 523.
 Ohio Indians 487.
 Omaha 420, 421, 514 *sqq.*
 Osage 516 *sq.*
 Paiute 421, 498 *sq.*
 Pawnee 420, 463-469.
 Pend d'Oreilles 490.
 Piegan 447 *sq.*
 Pima 489.
 Pitkachi 483.
 Plains tribes 428.
 Pomo 478 *sq.*

Hoop and Pole—Continued

played by the 24—continued

Ponca 517.

Prairie tribes 442.

Rumsen 472.

Salish 491.

Santa Barbara 421, 472.

Sarsi 460.

Sauk and Foxes 448 sq.

Seneca 421, 476 sq.

Shoshoni 421, 422, 499 sq.

Shuswap 491.

Siouan stock 420, 421.

Sioux 442.

Songish 491.

Stoneys 502.

Takulli 420, 460 sq.

Thompson Indians 421, 491 sqq.

Tigua 420, 421, 518 sq.

Tobikhar 500.

Topinagugim 484.

Umatilla 421, 422, 493 sq.

Ute 420, 501.

Ute, Uinta 500.

Ute, Uncompahgre 501.

Walapai 525 sq.

Wasama 484.

Wasco 420, 422, 472.

Washo 423.

Wichita 470 sq.

Yaudanchi 501.

Yokuts 483 sq.

Yuma 526.

Zuñi 526 sq.

territorial distribution of 24: 420.

Hoop or Ring Game, description of the 45: 131.

Hoop Valley Reserve

act authorizing 18: 830.

change in 18: 942, 944.

establishment of 18: 832, 886.

removal of Indians to 18: 850.

Hoopah

land cessions and reservations 18: 788.

See also Hupa.

Hooper, C. L.

acknowledgment to 18: 20.

description of Eskimo kú'idý'gi by 9: 80.

description of Eskimo tattooing by 9: 138.

ethnological specimens collected by 18: 116, 149.

Hooper, C. L.—Continued

mention of 46: 168, 171, 221, 322, 329.

on Eskimo knives 9: 159.

on Eskimo spears 9: 240.

on firearms among the Eskimo 9: 193.

work consulted 9: 23.

Hooper, W. H. 46: 214, 219, 369.

Hooper Bay Eskimo

basiofacial diameters 46: 280, 281.

crania 46: 257, 259, 262, 263, 276.

dental arch 46: 276.

facial 46: 266.

facial angles 46: 285.

means 46: 286.

mention of 46: 238, 251, 252.

nose 46: 268 sqq.

orbits 46: 274.

skeletal parts 46: 314–317.

skulls of children 46: 295.

Hooting Owl

Cherokee name for 19: 281, 284.

myths concerning 19: 241.

Hop, Hornbeam

use of 44: 291.

See also *Ostrea Virginiana*.

Hop Vine, medicinal use of 27: 584.

Hopac mana

derivation of 21: 125.

description of 21: 89.

Hopak, derivation of, from eastern Pueblos 21: 89.

Hopak Katcina

appearance of, in Palükükoñti 21: 54.

derivation of 21: 125.

Hope, Point. *See* Point Hope.

Hopewell

location of 19: 211.

proceedings at treaty of 5: 152, 153, 155, 158.

treaties of 18: 648 sqq.; 19: 61.

violations of treaty of 19: 68.

Hopewell Commissioners, on spinning and weaving among Cherokee 19: 214.

Hopewell Mounds, Ohio

builders of 20: 194.

identification of flints in 44: 529.

origin of obsidian implements of 20: 194.

pottery from 20: 195.

Hopi

- abandonment of villages by 17: 580.
- ancestors 28: 151, 154, 159, 216.
- ancient fictile ware of the 24: 424.
- and Navaho compared 17: 485, 486.
- and Verde ruins compared 17: 573.
- axes made by the 28: 124.
- bird-calls 28: 146.
- Canyon de Chelly ruins attributed to the 13: 257.
- ceremonial rooms 28: 150.
- ceremonials of 24: 425 *sq.*, 432, 433.
- ceremonies 26: 250.
- cigarettes 28: 143.
- clan masks of, features common to 21: 109.
- clans composing 33: 216.
- clowns 24: 716.
- collections from the 14: xxxix.
- contents of shrine 28: 101.
- country 28: 56.
- cult of plumed serpent of 28: 142.
- cultivation of cotton by 30: 77, 78.
- desire of, for Jesuit missionaries 26: 28.
- discovery of the 14: LVII.
- dramaturgy of 21: xiv.
- dwellings of the 28: 219.
- early migrations and clans of 17: 574.
- East Mesa 28: 192.
- festivals of, description of 21: 24.
- Flute ceremony of 24: 649.
- foot race among the 28: 131.
- game with wooden cups 26: 181.
- games of the 24:
 - archery 383, 390.
 - ball race 666, 678 *sq.*
 - bean shooter 760.
 - bull-roarer 750.
 - buzz 755 *sq.*
 - cat's cradle 774.
 - dice games 160-165.
 - double ball 648 *sq.*
 - European games 794 *sqq.*
 - hidden ball 337 *sq.*, 339, 357-364.
 - hoop and pole 421, 495-498.
 - running races 807.
 - shinny 633 *sqq.*

Hopi—Continued

- games of the 24—continued
 - stilts 731.
 - tops 743 *sq.*
- gods of, paintings of, discovered 21: xxv.
- Horn clan of 28: 159.
- identification of, with Hohokam 26: 26.
- knowledge of Ghost dance among 14: 811.
- knowledge of Montezuma Well 17: 547.
- legends of the 28: 46, 49, 151, 158, 159.
- Little Fire fraternity of 23: 411.
- masks of, explanation of pictures on 21: 114.
- medicine stones of 28: 130.
- mention of 25: XII, 147.
- metates 26: 109.
- model of altar of 19: XLVIII *sq.*
- mortuary customs of 28: 117, 118.
- mythologic monster of 28: 48
- mythology of 24: XIII, 34, 424 *sqq.*, 649, 666, 796.
- mythology of, investigation of 21: XI.
- name of the Paiute 14: 1048.
- name of the whites 14: 978.
- natal ceremonies of 14: 517.
- not descended wholly from northern nomads 19: 633.
- objects deposited in shrines 28: 135.
- origin of certain cliff ruins 16: 198.
- Owaküiti altar of 19: L, LIII.
- pantheon, illustrated memoir on 23: XXVI, XLIII.
- paraphernalia found in graves at Sikyatki 14: 519.
- Patki clans 28: 218.
- people of 21: 111.
- people of, birds personated by 21: 32.
- people of, personation of Navaho kateenas by 21: 97.
- personages of, comparison of, with other pueblos 21: 62.
- pictographic score of 17: 568.
- pits used as ovens by 28: 99.
- pottery 28: 137, 139, 140, 156, 158 *sq.*
- pottery, imitation of 33: 218.

Hopi—Continued

- pueblos in 1782 17: 579.
 rattles of the 28: 145.
 references to the 28: 58, 113, 144, 207.
 relations with the Havasupai 28: 219.
 request removal to Tonto Basin 17: 534.
 ruins, distribution of 17: 581.
 Snake priests of, costume of 21: 108.
 southern origin of art of 17: 568.
 study of ancient ruins of the 16: LXIX.
 study of ceremonies, fraternities and altars of 19: XIII, LXV-LII.
 symbolism of the, presentation of, in Palülüköñti 21: 40.
 tame eagles among the 14: 516.
 territory of, owned by Sikyatki 21: 38.
 tradition regarding cliff ruins 16: 191.
 tribal names of Indians at Tusayan 14: 390.
 use of *Amaranthus* by 30: 74, 87.
 use of bull-roarer by 14: 975.
 use of urine by 14: 522.
 winter ceremonial of 21: xxx.
 work among the 17: XLV.
 Yaya (fire priests) 28: 47.
See also Hopi Indians; Moki; Moqui; Tusayan.
- Hopi Avatc hoyá**, description of 21: 83.
- Hopi Calako**, said to have come from Winima 19: 612.
- Hopi Calako Mana**
 derivation of 21: 124.
 description of 21: 119.
 mask of 21: 119.
- Hopi Ceremonies**
 purpose of performing 19: 963.
 time of performing 19: 963.
- Hopi Communities**, modern causes for concentration of 19: 577.
- Hopi Indians**
 abandonment of pueblo on Little Colorado River, causes of 22, i: 22.
 color scheme of 29: 42.
 data on 29: 256 sq.

Hopi Indians—Continued

- esthetic standards among, permanence of 22, i: xxiii.
- ethnobotany of, studies made in 22, i: 17.
- evidence from ritual of, as to former inhabitants of Homolobi. 22, i: 24 sq.
- game of the 10: 548 sq.
- helmets or masks used in ceremonies of 22, i: 143.
- legends of, concerning home of katecinas 22, i: 144 sq.
- legends of, supported by archeology 43: 4.
- name for cloud 29: 54.
- pantheon of, office work on 22, i: xvi sq.
- pottery of, superiority of 22, i: 129.
- researches concerning Winter ceremonies of 20: x sq.
- settlement of, at Abiquiu 29: 137.
- songs of, recorded 43: 5.
See also Hopi; etc.
- Hopi Katecinas**
 Hano names for 21: 122 sqq.
 mention of 24: xiii.
 memoir on 21: 14-126.
 Tanoan names for 21: 122 sqq.
- Hopi Migrations**
 influence of early Spaniards on 19: 581 sq.
 legends concerning 19: 578.
- Hopi Pottery**
 paper on, by Dr. J. W. Fewkes 36: 12.
See also Pottery.
- Hopi Pueblos**
 exploration of ruins at 22, i: xviii.
 mention of 19: 579-582.
 number names of 19: 870, 930.
 ruins of, between Winslow and, description of 22, i: 34-56.
- Hopi Ritual**
 Christian influence on 19: 936.
 growth of 19: 578.
- Hopi Songs**, collection of 44: 18.
- Hopiñyû**
 derivation of 21: 125.
 description of 21: 111, 112.
 designation of, as a Sikyatki katecina 21: 112.

Hopituh

marriage within phratries and gentes
8: 24.

native name of the Tusayan 8: 17.

Hopkins, Albert, and the Sioux outbreak 14: 893.

Hopkins, Edward, erection of trading post by 18: 616.

Hopkins, Sarah Winnemucca, reference to 40: 295.

Hopkinsville, Ky.

mound on site of 42: 810.

trail to 42: 806.

Hopkinton, purchase of site of 18: 606.

Hoplias *Macrophthalmus*. *See* *Haimara*.

Hoplias Malabaricus. *See* *Huri*.

Hopoe Tus-tun-nug-gee, warrior of the Creek nation 42: 328.

Ho-po-ithle Ho-poie, warrior of the Creek nation 42: 328.

Hopoy Hadgo, mention of 42: 329.

Hopper Mortars 44: 77 *sqq.*

Hops

medicinal use of 43: 266.

mention of 33: 77.

Hoquiam, population of 7: 105.

Holden, J.

on Cree forms 28: 231, 243, 244, 245, 246, 248.

references to 28: 239, 241, 252, 278.

Hordeum Jubatum, use of 44: 290, 360.

Horizon Circle, representation of 20: 100.

Horizontal Band, in decoration, discussion of 41: 263-273.

Horn

articles of, from Pojuaque 2: 440.

articles of, from Wolpi 2: 396.

articles of, from Zuñi 2: 273.

bending of 35: 102, 104, 108.

bison, utensils of 42: 689.

carving by Eskimo 18: 196 *sq.*

Eskimo implements and utensils made of 18: 66, 69, 74, 77-82, 85-92, 101, 102, 104, 106, 107, 110, 111, 115, 116, 130 *sq.*, 133, 136, 137, 140, 142, 146 *sqq.*, 150 *sqq.*, 159, 163, 165, 167, 168, 174, 175, 177, 179-182, 188, 190-195.

Eskimo musical instruments made of 18: 351.

Horn—Continued

Eskimo ornaments made of 18: 58, 59.

Eskimo surgical instruments made of 18: 310.

Eskimo toys made of 18: 342, 345, 346.

Eskimo transportation apparatus made of 18: 208, 210, 214, 219, 223, 226 *sqq.*

hardening of, with tallow 35: 108.

implements in cavate lodges 13: 224.

Indian manufacture of vessels and pipes of 20: 25, 172.

objects from Chaves Pass ruins, reference to 22, i: 96.

polishing of 35: 104, 108.

sign, Italian 1: 298, 299.

spoons of the Omaha 13: 277.

steaming of 35: 103, 105, 107.

thrown in path to obstruct runner 30: 184, 234, 351.

tools used by Eskimo in working 18: 80 *sq.*

See also **Antler; Buckhorn; Horns.**

Horn Clan

at Sikyatki 17: 669.

Hopi, reference to 28: 159.

See also **Ala Clan.**

Horn-Flute Clan. *See* **Ala-Leñya Clan.**

Horn House

description of ruin of 8: 50, 51.

ruin of 17: 590.

Horn People

early settlement in Tusayan of the 8: 19.

migration legend of 8: 18.

of Tusayan 16: 307.

Horn Spoons

making of 35: 102-108.

mention of 35: 570.

Horncloud, Joseph, assistance rendered by 33: 46.

"**Horned**," story concerning 42: 491.

Horned Javelins, game of 24: 416.

Horned Owl

Cherokee name for 19: 281, 284.

myth concerning 19: 241.

Horned Owl Dancedescription of 42: 525 *sqq.*

mention of 42: 523, 524.

Horned Owl Feather, insignia of doctor 42: 618.**Horned Serpent**ceremony connected with 47: 301 *sq.*conception of 47: 515 *sq.*

function of 47: 343.

rôle of, in ritual 47: 516.

See also **Horned Snake**.**Horned Snake**

belief in 44: 251.

description of 42: 494.

horn of, used as charm 42: 494, 502.

killing of 30: 199.

See also **Horned Serpent**.**Horned Toad**

disease caused by 26: 264.

in Pima song 26: 307.

Hornet, myth concerning 19: 405.**Hornless-bull**, initiation of 17: 283.**Hornot**, —, on Quivira 29: 566.**Horns**

appearance of, in dress of Hopi katchinas 21: 41, 43.

appearance of, in pictures of Hopi katchinas 21: 60, 61, 66, 69, 71, 72, 81, 83, 85, 87, 89, 91, 92, 99, 101, 106, 110 *sqq.*, 116, 118, 120, 121.

used in Ghost dance 14: 916.

See also **Horn**.**Hornstone**

nodules of, in St. Louis limestone 44: 522.

quarries and workshops 44: 523, 530.

See also **Chert**, *varieties of*.**Horse**

acquired by prairie tribes 15: 173.

beliefs concerning the 11: 479, 510.

early range of the 15: 173.

imitation of, by spirits 30: 176 *sq.*, 242.in mythology 26: 241 *sq.*, 249.

in song 26: 318.

influence of introduction of 41: 141.

influence of, on modern Dakota migrations 19: 1044.

Horse—Continued

sacred regard for the 15: 185.

signs for 1: 433.

stealing of, punishment for 42: 356, 357.

treatment of, by medicine-men 26: 267.

use of, by the Pima 26: 28, 81, 84.

use of, by the Sia 11: 25.

use of, in ceremonial 11: 462, 487, 504.

value of, in trade 41: 158.

words for, and for dog, comparison of 15: 174.

See also **Horsehair**; **Horses**.**Horse-Clam**, shell of 35: 197, 261, 271, 278, 279, 292.**Horse Collars**. *See* **Stone Collars**.**Horse Dance**.

mention of 42: 523, 524; 45: 186.

of the Creeks, description of 42: 530.

of the Omaha 3: 348.

Horse Headdress, a Kiowa military order 14: 989; 17: 230.**Horse Gentian**, medicinal use of 42: 667.**Horse Medicine** of the Kiowa Apache 17: 253.**Horse Racing**

among the Pima 26: 63.

trickery in 46: 566.

Horse-Radish

introduction of, by the whites 33: 59.

medicinal use of 43: 266.

Horseflies, mention of 46: 41, 47.**Horsehair**appearance of, in Hopi pictures 21: 60, 65, 68 *sqq.*, 78, 80, 82, 95, 97, 100, 102, 103, 106, 110 *sqq.*, 118, 120, 121.

pictographs 4: 60, 213, 231.

Seri use of, in making cord 17: 228* *sq.*

use of, in dress of Hopi katchinas 21: 93, 108.

use of, in Hako ceremony 22, ii: 21.

uses of 26: 106, 113, 143, 158.

Horsemanship

- of the Comanche 14: 1046.
- of the Kiowa 17: 173.
- of the Sioux police 14: 856.

Horsemint

- medicinal use of 42: 657.
- mention of 33: 111.
- use of 44: 290.

See also **Monarda Mollis**.

Horsemo-i, wooden trumpet 38: § 559.

Horses

- a cause of warfare 46: 470.
- acquirement of, by the Kiowa 17: 153, 160.
- among the Cherokee 19: 82, 112, 213.
- among the East Cherokee 19: 176.
- as gifts 27: 496.
- as mediums of exchange 14: 992.
- beliefs concerning 47: 266.
- burial of, with the dead 42: 392, 393.
- capture of, in Omaha warfare 3: 326.
- changes made by introduction of 45: 151 *sq.*, 214, 225, 250, 253, 306, 344 *sq.*, 346.
- decline in raising 23: 381.
- decoration of 27: 352 *sq.*; 45: 354.
- discovery of 27: 79 *sq.*
- disposal of, at owner's death 46: 479.
- eating of, by the Kiowa 17: 344.
- effect of acquirement of 17: 161.
- epidemic among, in New Mexico 14: 536.
- equipment of 46: 110 *sqq.*, 250, 352 *sqq.*
- flesh of, as food 45: 237, 249.
- how regarded by the ancient Hopi 17: 598, 599.
- in Cherokee myth 19: 265, 346, 443, 482.
- introduction of 42: 693; 45: 109 *sq.*, 249, 346 *sq.*, 350 *sq.*; 46: 412.
- killed at grave 42: 394; 45: 173 *sq.*
- Kiowa sacrifice of 17: 310.
- Kiowa trade in 17: 166, 251.
- medicines for 45: 513 *sq.*
- name adopted for 45: 352.
- numbers of, among Kiowa 17: 168, 340.
- origin of, Indian belief as to 14: 724.

Horses—Continued

- ownership of 27: 363.
 - possession of, by the Sioux 14: 824.
 - sacrifice of 46: 491.
 - sale of, for benefit of Kiowa 17: 340.
 - Seri method of hunting 17: 204*.
 - stolen by war party 46: 471.
 - stories concerning 43: 395; 45: 351 *sq.*
 - strangulation of, in funeral ceremonies 27: 83, 592.
 - surrender of, by Kiowa and Comanche 17: 214.
 - taken by the United States from Dakotas 4: 127.
 - use of, for transportation 45: 352.
 - utility of, in new countries 14: 546.
 - value of 46: 471.
 - wealth estimated by 46: 474.
 - Zuñi use of 23: 369.
- See also* **Horse**.

Horse's Back. *See* **Täyäkwoip**.

Horseshoe Bend

- battle of 19: 93–96.
- Cherokee warriors at 19: 164.
- conduct of Houston at 19: 222.

Horsetail *Equisetum* sp.

- mention of 33: 63.
- reference to, in myth 45: 511.
- use of 45: 497, 510.

Horseweed

- use of 44: 289.
 - use of, in medicine 30: 55.
- See also* **Erigeron Canadensis**.

Horticulture, ancient, on Rio Verde 13: 187, 194, 238.

Hortsman, Nicholas, on pictographs 4: 39.

Hosa, native name of Little Raven 14: 957.

Hoscutt Family, mention of 43: 224.

Hoshkawn, Dance of. *See* **Yucca Baccata**.

Hosmer, W. H., quoted 12: 514.

Hospoa, description of 21: 80.

Hospitality

- at old Acoma 47: 104.
- Indian, affairs settled through 46: 514.
- Indian, discussion of 46: 513 *sqq.*
- Indian, self-interest in 46: 515.
- instruction in 37: 170.

Hospitality—Continued

- of the American Indians, source of 7: 34.
- of the Creeks 42: 334, 335, 447, 448.
- of the Eskimo 18: 295 *sqq.*
- of the Hopi 15: 302.
- of the Omaha 3: 271.
- of the Sia 11: 12, 113.
- prevalence of, among Point Barrow Eskimo 9: 42.
- prevents saving of food by Point Barrow Eskimo 9: 64.
- shown to visitors 42: 703.
- Host.** *See* **Guest; Salutation.**
- Host Song.** 35: 812.
- Hostages in war** 38: § 763.
- Hostaqua**, a Timucua chief 42: 686.
- Hostjoboard**, a Navaho goddess 24: 436.
- Hostjobokon**, a Navaho god 24: 436.
- Hostjoghon**, a Navaho god 24: 436, 437.
- Hot Ball**
 - played by the 24:
 - Chukchansi 714.
 - Mono 714.
- Hot Springs**
 - fossils at 46: 42.
 - manufacture of salt near, by Indians 20: 28.
 - on the Tanana 46: 41.
 - principal in Tewa country 29: 163 *sqq.*, 393, 394, 562, 564.
- Hot Springs Indians**, Pit River Indians so called 14: 1052.
- Hot Springs Reserve**
 - change in 18: 882.
 - discontinuance of 18: 890.
 - establishment of 18: 874.
- Hotalgihuyana**, a Red town 42: 255.
- Hotálgi Imala**, Creek second chief 42: 331.
- Hotă'mi-tă'niuw'**, a Cheyenne division 14: 1026.
- Hotca**, appearance of, in Soyaluñya 21: 25.
- Hotcañgara.** *See* **Winnebago.**
- Hotcani**
 - derivation of, from the Keresan 21: 100.
 - description of 21: 100.

- Hotcauni**, linguistic similarity of, to Hotcani 21: 100.
- Hotel, Nome** 46: 85, 86.
- Hotham Inlet**
 - experiences of E. W. Nelson at 18: 298 *sq.*
 - implements from 18: 86, 88, 89, 91, 93, 103, 110, 114, 159, 165, 171, 178, 188.
 - mention of 46: 226.
 - ornaments from 18: 47, 63 *sq.*
 - summer camp at 18: 261 *sq.*
 - tobacco implements from 18: 276 *sq.*
 - toys from 18: 344.
 - trading camp at 18: 231.
- Hothouse**
 - description of 41: 514; 42: 177-180.
 - mention of 19: 462.
 - probably on Mound B 41: 510.
 - use of 41: 510.
 - See also* **Âsi; Rotunda; Tcokofa.**
- Hototo**
 - derivation of 21: 125.
 - description of 21: 99.
- Hotsoko**
 - appearance of, in Soyaluñya 21: 25.
 - description of 21: 79.
 - personation of, in Powamû 21: 32.
- Hotte**, knapsack 38: § 450.
- Hough, Franklin B.**, on canoe burial in the ground 1: 112.
- Hough, R. B.**, material collected by 24: 592.
- Hough, Dr. Walter**
 - acknowledgments to 18: 22; 29: 12; 30: 38; 41: 494.
 - aid rendered by 17: XLV *sq.*
 - aid rendered by, to Dr. J. W. Fewkes 22, i: 17, 120.
 - bulletin by 28: 17; 29: 20.
 - cited 33: 176, 178.
 - collection made by 40: 20; 41: 20; 44: 18.
 - collector of Hopi pottery for the National Museum 33: 219.
 - on fire-making apparatus 17: 199* *sq.*
 - on Pima masks 26: 107 *sq.*
 - on snow-snake, Seneca 24: 412.
 - on specimens in Latimer collection 25: 182.

- Hough, Dr. Walter**—Continued
 pottery figure interpreted by 17: 664.
 reference to 44: 436.
 reference to explorations by, near Holbrook 22, i: 135.
 witnessing of Snake dance at Mishongnovi by 19: 964.
 work of 19: xv; 24: xxvi; 26: xxv; 27: 11; 37: 22 sq.; 39: 22; 40: 12 sq.; 44: 14 sq.
 work of, in Alaska 46: 30.
- Houma Indians**
 a branch of the Chakchiuma 42: 39.
 a tribe of the Choctaw Confederacy 19: 500.
 customs of the 42: 702.
 head-flattening among the 42: 687.
 researches among the 28: 12.
- Houmari** hat fillet 38: § 530.
- Hourglass**, objects resembling, Florida mortuary pottery 20: 124.
- Hourglass Basketry Patterns** 38: § 433-447.
- Hours**, terms relating to 29: 68 sq.
- House**
 adobe, on Burton Mound 33: 57, 60, 61, 62, 71.
 arched or vaulted 38: § 299.
 as supernatural treasure 35: 1203.
 building of 42: 403.
 built for defense 42: 688.
 burial, Clallam 1: 175.
 carved on the outside 31: 395.
 carvings of 35: 1041.
 door of, string figure 38: § 643, 681.
 given in marriage 35: 806, 954, 984.
 location of, lucky or unlucky 42: 516.
 of sea-monster 35: 809.
 Paskagoula and Biloxi, burial in 1: 124, 125.
 signs for 1: 427.
 supernatural 35: 1131.
 use of the word 42: 171.
 where Sacred Pack is kept 40: 279.
 with four steps 35: 954, 960.
See also Dwellings; Habitations; House-Building; etc.; House, Winter; Houses.
- House Beams**, payment for 35: 1338 sq.
- House-Building**
 of the Zuñi Indians 23: 229, 230.
 rites, of Tusayan 8: 100-104.
See also House Construction.
- House Circles**
 description of 41: 514-548, 592 sq., 597 sq.
 size of 41: 497.
 traces of 41: 495.
- House Clusters**, in Zuñi, arrangement of 8: 98.
- House Construction**
 of the Zuñi 23: 349 sq.
See also House-Building.
- House Dishes** of the Kwakiutl 35: 756, 757, 761, 762, 764, 769, 771, 805, 806, 807, 809, 811, 814, 815, 840, 849, 888, 958, 962, 991, 1023, 1025, 1033, 1040, 1059, 1061, 1062, 1349.
- House Executive Document**
 Thirteenth Congress, Second Session, Miscellaneous Document 36, on importance of wild rice to the Indians 19: 1097.
 Twentieth Congress, Second Session, on population in wild rice district in 1829 19: 1111.
 Fifty-third Congress, Third Session, on failure of wild rice fields in Minnesota 19: 1114.
- House Furnishings** 45: 63 sq.
- House Groups**
 discussion of 44: 203 sq., 206.
 list of 44: 204 sqq.
 names according to 44: 190.
 stories regarding 44: 207-211.
 Tlingit, by tribes and clans 26: 400-407.
 usages of 44: 206 sq.
- House-Life** of the Eskimo 18: 285-292.
- House Mounds** near quarries 44: 538.
- House of Ceremony**, symbolism of 43: 30.
- House of Chief**, symbolism of 36: 68 sq.
- House of Kings**, branch of new government 42: 330.

House of Montezuma

- application of name 26: 24.
- designation of Casa Grande 28: 33.
- See also* Montezuma.

House of Mystery

- ceremonial approach to 39: 86, 88, 99, 257-260; 45: 535, 562, 707-710.
- processional approach to 36: 81.
- songs of 36: 198-201.
- traces of 41: 567 sq.
- use of 36: 62.

See also Sacred House.

House of Representatives, documents of, cited on popular synonym for wild rice 19: 1023.**House of Root-Digger**, prayer to 35: 618.**"House of the Hon'-ga"** 39: 83.**House of Warriors**, branch of new government 42: 330.**House Posts**

- mention of 35: 945, 1352.
- payment for 35: 1338 sq.

House, Sacred, approach to 39: 79.**House-shaped Baskets.** *See* Lodge-shaped Baskets.**House Sites**

- occurrence of pottery on 20: 23.
- small, on Mesa Verde 41: 5.
- See also* Occurrence.

House Steps, initial series of, inscriptions of 19: 801.**House, Winter**

- of the Eskimo 9:
 - built of bones 77.
 - entrance passage to 73.
 - furniture of 75.
 - heating of 74.
 - interior of 73, 74.
 - mention of 72-78.
 - number of occupants of 75.
 - plans of 72, 73, 77.
 - sleeping place in 74, 75.
 - when occupied 76.
 - window of 74.

Household

- articles, Northern 11: 228, 300.
- composition of 47: 477.
- Creek, members comprising 42: 79.
- Zuñi 23: 292 sqq.
- See also* Family.

Household Implements and Requisites of the Guiana Indians 38: p. 273-380.**Household Utensils**

- decoration of 31: 54.
- of the Pima 26: 90-102.
- See also* Utensils, Household.

Housekeeping among the Pima 26: 69.**Houses**

- built for the Kiowa 17: 218, 342.
- changes in 47: 57, 58.
- cleaning of Zuñi, during winter solstice 23: 132.
- entrances to 47: 29.
- myths concerning 11: 58.
- native, modern, Savonga 46: 92.
- native, semisubterranean 46:
 - Bonasila 142.
 - character of, in general 172.
 - Elephant Point 171.
 - Golovnin Bay 116, 118.
 - King Island 183.
 - Nook 197.
 - Point Hope 101.
 - St. Michael 170.
 - Seward Peninsula 90.
 - stone 172.
 - Western and Asiatic Eskimo 168, 169, 182.
 - Yukon 46, 58, 60, 82, 137.
- of the Caddo 14: 1094.
- of the Cherokee 19: 82, 137.
- of the East Cherokee 19: 166.
- of the Eskimo 18: 241-263.
- of the Fox Indians 40: 338.
- of the Hawaiians 33: 624.
- of the Kiowa 17: 353.
- of the Missouri River tribes 17: 159.
- of the Navaho 17: 469-517.
- of the Paiute 14: 770.
- of the Plains Indians 14: 528.
- of the Pueblo, built near water 4: 477.
- of the Seri 17: 221*-224*.
- of the Seri, decoration of 17: 173*.
- of the Seri, location of 17: 148* sq.
- of the Siouan Indians 15: 172.
- of the Tsimshian, description of 31: 46-49.
- of the Ungava district 11: 167.
- of the Wichita 14: 1095; 17: 266.

Houses—Continued

- of the Zuñi, description of 23: 292.
- of the Zuñi, fireplaces in 23: 293.
- ownership of 47: 234.
- use of clay implements in building, eastern United States 20: 35.
- use of clay in building, eastern United States 20: 37.
- See also* Adobe; Architecture; Cavate Dwellings; Hogans; House; etc.; Houses and Huts; Huts; Lodge; Long-houses; Sweat-houses; Sweat-lodge; Tcindi Hogan; Tipi; Wikiup.
- Houses and House-Life of the North American Indians**, by L. H. Morgan, discussion of 2: XVIII.
- Houses and Huts**
 - for strangers 38: § 804.
 - Guiana Indian 38: p. 248-272.
 - women and building of 38: § 899.
- "Housewives"** of the Eskimo 18: 104 *sqq.*, 205.
- Housing, Eskimo** 46: 366.
- Houston, Robert**
 - survey by 18: 697.
 - surveyor of Cherokee line in Tennessee 5: 227, 232.
- Houston, Samuel**
 - adopted father of 19: 136.
 - conduct of, at battle of Horseshoe Bend 19: 95.
 - efforts of, on behalf of Texas Cherokee 19: 144 *sq.*
 - life of 19: 222 *sq.*
 - treaty with Cherokee by 19: 144.
- Houttuynia Californica**, Pima medicinal plant 26: 80.
- Hovenweep National Monument**
 - efforts to establish 41: 53.
 - establishment of 39: 13.
 - reservation of 41: 82.
- Hovey, H. C.**
 - quoted on worship of Inyan 11: 448.
 - reference to work of 11: 363.
- How the Bear lost his Tail**, Iroquois myth of 2: 77.
- Howard, Henry**, killed at Wounded Knee 14: 872.
- Howard, J. D.**, hammerstone presented by 47: 13.

Howard, Dr. L. O.

- on *Lissorhoptrus simplex* 19: 1027.
- on species of Bruchus 26: 74.
- Howard, O.**, on absence of wild rice in Utah 19: 1032.
- Howard, Gen. O. O.**
 - appointment of, as Indian commissioner 14: 711.
 - on the Dreamer religion 14: 713.
- Howe, George**, on early habitat of the Cherokee 7: 78.
- Howe, Henry**, on Quivira 29: 566.
- Howe, Joseph**, quoted on Canada's Indian policy 18: 561.
- Howechee** land cessions and reservations 18: 782.
- Howell, E.**, cliff-houses discovered by 17: 533.
- Howia**, treaty signed by, in 1867 17: 186.
- Howitt, Dr. A. W.**, pictographs described by 10: 219.
- Howkan**
 - clans 26: 423.
 - derivation of name 26: 409.
- Howkuma**
 - land cessions and reservations 18: 784.
 - See also* Holcuma.
- Howland, H. R.**
 - copper-preserved cloth found by 13: 37.
 - finding of figured copper plate in mound by 12: 701.
- Howler Monkey, *Mycetes***
 - skin of, made into cap 38: § 593.
 - taming of 38: § 722.
- Howling Bull**, hypnotism produced by 14: 895.
- Howoner**, grant of land to 18: 686.
- How-we-are.** *See* Howia.
- Hōxʰokʷ Dance** 35: 1374.
- Hōxʰokʷ Dancers** 35: 1159.
- Hōxʰokʷ Post** 35: 806.
- Hoy, Philip**, opening of mounds by 5: 14, 20.
- Hrdlička, Dr. Aleš**
 - acknowledgments to 17: 21; 29: 12; 41: 494.
 - bulletin by 39: 24.
 - bulletin by, in collaboration with others 34: 26.
 - collections made by 44: 18.
 - contributor to Bureau 48: 1189.

- Hrdlička, Dr. Alës**—Continued
 investigations of 42: 752.
 ivory specimens collected by 48: 20.
 mention of 46: 144, 145, 147, 148, 149, 150, 151, 153, 154, 230, 237, 240, 295, 306, 308, 312, 313, 316, 333, 357, 369.
 papers by 37: 27; 40: 17.
 report by 41: 493, 612 *sqq.*
 report on Seri skeletons by 17: 140*-147*.
 sent to Seward Island, Alaska 43: 15.
 somatological work of 23: XIX.
 Vero, Florida, visited by 38: p. 16.
 work of 25: XXI; 26: XIX *sq.*, XXV, XXVIII; 27: 10 *sq.*, 12; 28: 15 *sq.*; 29: 21; 30: 10, 22; 40: 15; 44: 13 *sq.*
- Huacals**, exploration of, in Chiriqui 6: 16, 17.
- Huacanqui**, an Inca god 25: 143.
- Huachuca Mountains**, field work in 22, i: XIII.
- Hualapi**. *See* Walapai.
- Hualpai Indians**
 decoration of body of 10: 226.
 pictograph on person of 4: 61.
- Huaro-chiri**, trephined crania from 16: 13, 14, 15, 56.
- Huasteca**, number names of 19: 862, 863.
- Huave** method of forming numbers 19: 918.
- Huastec Pottery** 25: 280-283.
- Huaytara, Peru**, petroglyphs in 10: 156.
- Hubbell, L.**, pottery found by 15: 312.
- Hubbell Collection** of ancient Indian pottery, examined and photographed 10: XVII.
- Hubbel's Store, Ariz.**, ruined pueblo near, mention of 22, i: 127.
- Hubbub**, game of 14: 1004; 24: 54 *sq.*, 73.
- Hubley, Edward B.**, commissioner to settle Cherokee claims 5: 298.
- Hubner, —**, on Duk-Duk ceremony in New Britain 3: 100.
- Hubthon'**, Ponca village 27: 51.
- Hubuiri**. *See* Alubiri.
- Huc-aritz-pa**, *See* Arispa.
- Huchnom**
 method of forming numbers 19: 912.
 hand game of the 24: 323.
- Huck**, meaning of 16: 224.
- Huckerby, Rev. Thomas**
 collection of 34: 88, 90.
 excavations made by 34: 66.
 mention of 34: 115.
 pendants collected by 34: 122.
 quoted on objects from St. Vincent 34: 116.
 specimens purchased by 34: 50.
- Huckleberries**
 boiled 35: 296.
 cleaning of 35: 580, 582.
 mashed 35: 581.
 mixed with salmon spawn 35: 298.
 myths concerning 19: 259.
 picking of 35: 209.
 use of 45: 487.
- Huckleberry Feast** 35: 754.
- Huddleson, A.**, inclosure on farm of, West Virginia 12: 407.
- Hudson, Charles**, agent for Pima 26: 34.
- Hudson, Henry**, legend of landing of 19: 350.
- Hudson, Dr. J. W.**
 acknowledgments to 24: 29.
 information furnished by 24: 413, 414, 415.
 material furnished by 24: 136, 138, 141, 144, 166, 247, 290, 291, 295, 310, 311, 413, 414, 415, 478, 482, 483, 484, 498, 501, 595, 597, 630, 631, 635, 679, 702, 704, 711, 714, 741, 756, 759, 760, 793, 796.
 on archery, Topinagugim 24: 388.
 on archery, Washo 24: 396.
 on ball juggling, Achomawi 24: 712.
 on ball race, Mono 24: 679.
 on ball race, Wasama 24: 670.
 on buzz, Mono 24: 756.
 on dice games, Awani 24: 143.
 on dice games, Chukchansi 24: 138.
 on dice games, Miwok 24: 144.
 on dice games, Nishinam 24: 155.
 on dice games, Tejon 24: 138 *sq.*
 on dice games, Washo 24: 199.
 on dice games, Yokuts 24: 141.
 on double ball, Hupa 24: 656.
 on double ball, Kaoni 24: 660 *sq.*
 on double ball, Wasama 24: 659.
 on double ball, Washo 24: 654.
 on European games, Mono 24: 796.
 on football, Chukchansi 24: 702.
 on football, Mono 24: 704

Hudson, Dr. J. W.—Continued

- on football, Nishinam 24: 703.
- on football, Topinagugim 24: 702 sq.
- on football, Washo 24: 704.
- on foot-cast ball, Apache 24: 712.
- on foot-cast ball, Chukehansi 24: 711.
- on four-stick game 24: 327.
- on four-stick game, Achomawi 24: 333.
- on four-stick game, Modoc 24: 332.
- on four-stick game, Pao 24: 335.
- on four-stick game, Washo 24: 335.
- on hand game, Achomawi 24: 307.
- on hand game, Chowchilla 24: 294.
- on hand game, Mono 24: 310.
- on hand game, Pomo 24: 290.
- on hand game, Washo 24: 322 sq.
- on hand game, Yokuts 24: 294.
- on hoop and pole, Chowchilla 24: 484.
- on hoop and pole, Koyeti 24: 482.
- on hoop and pole, Mono 24: 498.
- on hoop and pole, Nishinam 24: 489.
- on hoop and pole, Pitkanchi 24: 483.
- on hoop and pole, Pomo 24: 479.
- on hoop and pole, Topinagugim 24: 484.
- on hoop and pole, Wasama 24: 484.
- on hoop and pole, Washo 24: 523.
- on hoop and pole, Yaudanchi 24: 501.
- on hoop and pole, Yokuts 24: 483 sq.
- on hot ball 24: 714.
- on hot ball, Mono 24: 714.
- on racket, Nishinam 24: 608 sq.
- on racket, Pomo 24: 595.
- on racket, Topinagugim 24: 597.
- on ring and pin, Hupa 24: 543.
- on ring and pin, Pomo 24: 550.
- on shinny, Mono 24: 635.
- on stick game, Pomo 24: 247.
- on stick game, Washo 24: 265.
- on tops, Yokuts 24: 741.

Hudson Bay

- Eskimo of 7: 73.
- extension of Iroquois influence to 20: 158 sq.
- tribes of western shore of 6: 444-452.

Hudson Bay Company

- custom of 46: 594.
- dependence of, on aboriginal production 19: 1104.
- establishment of Fort Rupert by 35: 973.
- mention of 46: 124, 128.
- reference to 27: 81.
- ruse practiced by 46: 595.
- work of, in the Ungava district 11: 167.

Hudson Bay Crania

- basiofacial diameters 46: 280, 281.
- dental arch 46: 276.
- facial 46: 266.
- facial angles 46: 285.
- means 46: 286.
- mention of 46: 257, 259, 260, 261, 262, 263.
- nose 46: 268, 270.
- orbits 46: 274.
- skulls of children 46: 297.

Hudson Bay District, geographic description of 6: 414-418.**Hudson Bay Eskimo** 46: 230, 357.**Hudson Bay Indians**

- significant use of colors by 10: 634.
- snow houses of the 6: 547.

Hudson Bay Territory, Indians of 11: xli, 167, 267.**Hudson Collection**

- of basketry, acquisition of 20: x.
- of basketry, study of 20: xvi sq.

Hudson Strait, Eskimo 46: 219.**Huggins, Capt. E. L.**

- acknowledgment to 14: 655.
- quoted on Smohalla' 14: 717, 723.

Hughes, George, mound on farm of, Arkansas 12: 246.**Hughes, Rev. Griffith**

- article by 34: 80.
- Indian Castle described by 34: 84 sq.

Hughes, H., mention of 45: 12.**Hughes, Jno. T.**, on San Felipe 29: 500.**Hughes, Lieut. John T.**, on Casa Grande 28: 68.**Huhu**, myths and lore concerning 19: 281, 285, 292 sq., 456.**Huhuan**

- description of 21: 83.
- personation of, in Powamû dance 21: 33.

Huhuan Katcina

appearance of, in Powamû festival 21: 39.

dance of, in Palûlûkoñti 21: 50.

Huichan, Carib Island term for leave taking 38: § 815.

Huichols, use of cocoons by 26: 169.

Huik

appearance of, in Pamûrti 21: 27.

description of picture of 21: 61.

Hu'inikashiha group, Quapaw 27: 68.

Huitzilopochtli, Mexican god of death

mention of 1: 229, 230, 231, 232, 233, 234, 235, 236, 238, 239, 241.

painting of, on wall in Santa Rita mound 19: 669.

Hula 33: 305, 306, 311, 327, 654, 658.

Hull, Lieutenant —, death of 17: 278.

Hull, Professor —

survey directed by 18: 677.

survey of ancient works by 12: 156.

Huma, hoop and pole game of the 24: 486.

Human. *See* **Head**; **Man**; etc.

Human Body

as known to the Omaha 27: 107 *sqq.*

pictographs on 10: 205.

Human Crania, from Pueblo ruins in Arizona, collection of 22, i: 34, 110, 134.

Human Effigy Vases from southern Arizona 22, i: 189–192.

Human Features as decoration 41: 538.

Human Figures

basketry design 38: § 445.

effigies of, in Santa Rita mounds 19: 683, 684, 685.

engraved on shell gorgets 2: 297.

engraved on shell gorgets, comparison of, with other examples 2: 302.

engraved on shell gorgets, comparison of, with southern examples 2: 301.

on pottery from Pueblo ruins in Arizona, cuts showing 22, i: 63, 70, 144.

Human Figures—Continued

on pottery from Pueblo ruins in Arizona, description of 22, i: 70 *sq.*, 143 *sqq.*

on Sikyatki pottery 17: 660.

unknown in Chesapeake stone art 15: 96.

Human Form

feet 10: 715, 716.

hand 10: 711–715.

head and face 10: 707–711.

pictographs of 10: 703–716.

Human Hair

use of, by Lower California tribes 26: 116.

use of, by Pima 26: 115, 116, 142, 265, 325.

use of, by Tlingit 26: 448.

See also **Hair**; etc.

Human Head

on handle of ladle from Pueblo Viejo ruins, mention of 22, i: 181.

preservation of 3: 94–97, 148.

Human Phenomena, definition of 11: 365.

Human Race, origin of the, Iroquois myth of 2: 76.

Human Remains

in Awatobi ruins 17: 610, 612, 618.

in Virginia mound 15: 100.

See also **Burials**; **Cemeteries**; **Mortuary Customs**.

Human Sacrifice. *See* **Sacrifice**, **Human**.

Human Sculptures 2: 160.

Human Skeleton in Santa Rita mound 19: 688.

Huma'whi, a Pit River band 14: 1052.

Humboldt, —, on signs of South Americans 1: 307.

Humboldt, Alexander von

cited 30: 117, 136, 137, 139, 145, 146, 161, 162, 170, 171, 290, 297, 364, 365 *sq.*

map by 17: 84.

notice of Dresden Codex by 6: 262, 263.

observations on Seri by 17: 84.

on Carib and Arawak 25: 50, 218.

on cities founded by Cortés 25: 243.

Humboldt, Alexander von—Contd.
 on dimensions of Casa Grande 13: 308.
 on orang-utang 30: 366.
 on petroglyph 4: 38.
 on worship of the trumpet 30: 137.
Humboldt, Friedrich H.
 on Isleta 29: 529.
 on Jemez 29: 402.
 on Picuris 29: 193.
 on San Felipe 29: 500.
Humboldt, Friedrich H. Alexander de, cited as to Casa Grande 28: 53.
Humboldt, W. O., on coiled pottery of the Orinoco 4: 276.
Humboldt County, Nev., petroglyphs in 10: 95.
Humerus
 mention of 46: 156, 158, 160, 164, 165.
 Western Eskimo 46: 314-317.
Humiria Floribunda
 medium for painting 38: § 512.
 resin 38: § 23.
Humis
 derivation of 21: 83.
 description of 21: 82.
 meaning of 21: 64.
Humis Katcina
 comparison of, with Zuñi dance 15: 307.
 representation of, in Pamürti 21: 27.
Humku symbol in the codices 16: 228.
Hummer of the Arapaho 14: 974, 975.
Humming Bird Dance, Guiana Indian 38: § 586-590.
Humming-Birds
 beliefs concerning 35: 371.
 in Menomini myth 14: 233.
 in Pima legend 28: 47, 48, 50.
 in Pima mythology 26: 213.
 legends concerning 35: 210, 211, 228, 334.
 myths concerning 19: 254 *sq.*, 290 *sq.*, 455.
 taming of 38: § 724.
 tobacco brought by 30: 334 *sqq.*, 371.

Humming-Birds—Continued
 used at menstruation festival 35: 312.
See also Totca.
Humor, Cherokee 19: 397 *sqq.*, 503.
Hump
 arrest of 14: 862.
 at surrender of Sitting Bull fugitives 14: 863.
 Ghost dance at camp of 14: 847.
 participation of, in Sioux outbreak 14: 861.
 removal of, recommended 14: 848.
 surrender of 14: 860.
 surrender of band of 14: 871.
Hump-Back Sucker, Gila fish 26: 83.
Hump Tulips, mention of 41: 136.
Humphrey, William A.
 appointment of 36: 34.
 work of 36: 31; 37: 28.
Humptulip, population of 7: 105.
Humulus Americana 33: 77.
Humulus Lupulus, medicinal use of 27: 584.
Huna, *Tlingit town*. *See Gaat !ā'k-ān.*
Huna
 clans and house groups 26: 404.
 phratries and clans 26: 399.
 Tlingit tribe 26: 396.
Hunah, population of 7: 87.
Hunahpu day symbol, discussion of 16: 262.
Hunapu in Central American mythology 16: 225.
Hunchback
 figures, East Tennessee, absence of 20: 180.
 figures, Gulf Coast pottery 20: 108.
 figures, Middle Mississippi Valley pottery 20: 87, 96.
Hun'ga
 blessing of 27: 400.
 painting of 27: 397.
 significance of name 27: 379 *sq.*, 384, 389 *sq.*, 393.
Hunger
 petroglyphs for 4: 152.
 signs for 1: 304, 485.
Hungo Pavie, finish of roofs in 8: 150.
Hun'ki, acknowledgment to 30: 38.

- Hun[ñ]kpapa**
 a Teton division 14: 1058.
 definition and habitat of 15: 161.
 gentes of the 15: 221.
- Hunsatung.** *See* **Hoopa Valley Reserve.**
- Hunt, Charles**
 cemetery on land of 12: 345.
 mounds on farm of 5: 71.
- Hunt, George**
 contributor to Bureau 48: 1189.
 material collected by 24: 249, 263, 489, 520, 717; 37: 20.
 on hoop and pole, Kwakiutl 24: 521.
 on Raven-at-the-Head-of-Nass 26: 454.
 on ring and pin, Kwakiutl 24: 559.
 shuttlecock terms furnished by, Bel-lacoola 24: 717.
- Hunt, Jeff.,** witness to Casa Grande contract 15: 334.
- Hunt, P. B.,** Kiowa agent in 1878 17: 226.
- Hunt**
 arrows used for success in 23: 439.
 ceremonial, at Zuñi 13: 327.
 communal, reference to 29: 414.
 pictographs of the 4: 214.
See also **Hunting.**
- Hunt Chief**
 assistant to 47: 261.
 ceremony of 47: 290, 336 sq.
 office of 47: 261.
 taboo concerning 47: 257.
- Hunt-the-Button**
 hand game, Arapaho 24: 286.
 hand game, Blackfeet 24: 269.
- Hunter, —,** operations of, in Civil War 26: 90.
- Hunter, Captain —,** military operations of 26: 48.
- Hunter, A. F.,** numerous ossuaries about Barrie, Ontario, reported by 12: 545.
- Hunter, A. R. S.,** commissioner to appraise Cherokee property 5: 258.
- Hunter, H. C.,** acknowledgments to 15: 18; 20: 17.
- Hunter, J. D.,** concerning emblems in treaties 2: 247.
- Hunter, John Dunn**
 on dice games, Osage 24: 188.
 on Osage pottery making 20: 58.
- Hunter, John Dunn—Continued**
 on Osage sugar making 20: 33.
 on hoop and pole, Osage 24: 516 sq.
 on Osage weaving 13: 25.
 on time of Indian meals 19: 1087.
 on use of blankets as molds, eastern United States 20: 69.
 on use of wild rice gruel by Indians 19: 1086.
 on use of wooden molds, eastern United States 20: 71.
 on wild rice between Mississippi River and the Rocky Mountains 19: 1032.
- Hunter, Paul,** acknowledgment to 42: 852.
- Hunter, R. L.,** reference to map by 18: 808.
- Hunter, William,** collections of 15: 17, 71.
- Hunter**
 and his dead wife, Iroquois tale 2: 103.
 and his faithless wife, Iroquois tale 2: 90.
 and his sister, folk-tale of 14: 222.
 and the elk people 14: 182.
 and the snow 14: 216.
 legendary, stone representing 47: 278.
 the, myth of 43: 193 sq.
 the, story about 43: 313-323.
 young, myth concerning 14: 181.
- Hunter Brothers,** owners of Clifton quarry 15: LI.
- Hunters**
 continence obligatory for 31: 449.
 dress of 46: 586.
 fasting compulsory for four days 31: 448.
 give game to their fathers-in-law 31: 438.
 killed by grizzly bear 35: 742 sq.
 notice of departure 35: 637, 642.
 precarious life of 46: 504.
 song reference to the return of 39: 203.
 taboos of 35: 639, 641.
 taboos of, reference to 31: 449.
 taboos of wife of 35: 637.
 taken to sea-monster's house 35: 809.
 use of bow and arrow by 31: 45.

Hunter's Adventure, Iroquois tale
2: 88.

Hunter's Fraternity

peculiarity of 23: 417.

'*Sān'iaḱiḱakwe*, of the Zuñi 23: 438-444.

"Hunter's Medicine" of Midewiwin
7: 221 *sqq.*

Hunters' Society, duties of 47: 101.

Hunting

affected by trade conditions 27: 614 *sq.*

affected by witchcraft 42: 634.

after busk 42: 564.

among the Cherokee (1800) 19: 82.

among the Eskimo, seasons of 18: 125.

among the Northern Indians 11: 203, 240, 249, 276, 279, 316.

among the Tsimshian 31: 401 *sqq.*

among the Winnebago 37: 109-114.

anointing the sacred pole 3: 293.

approaching a herd of buffalo 3: 293.

bags and helmets, Eskimo 18: 166-169.

beliefs concerning 42: 445; 45: 508.

Bush Spirits excellent at 30: 185.

butchering 27: 307.

by the Menomini 14: 272.

ceremonial acts of 45: 561.

ceremonial connected with 11: 120.

charms used for 45: 505 *sq.*

claims 7: 42, 43.

collection of the hearts and tongues 3: 289.

customs 47: 211.

customs connected with 3: 283; 42: 404 *sq.*, 444 *sqq.*, 516, 628, 693; 44: 240 *sqq.*; 46: 444 *sq.*, 504, 530-543.

customs of the Kwakiutl 35: 171-178.

customs of the Winnebago 37: 113 *sq.*

decline of, among the Menomini 14: 34.

departure for 3: 285.

directions of 3: 286.

Hunting—Continued

disposition of parts of a buffalo 3: 293.

division of a slain buffalo 3: 291.

division of tribe into summer parties 3: 299.

dogs for, training of 30: 281 *sqq.*

effect of, on tribal government 15: CXVI.

Eskimo customs relating to 18: 307 *sq.*

Eskimo methods of 6: 471-513.

facial painting for 45: 438 *sq.*

feast of the Menomini 14: 151.

feast of Siouan Indians 15: 184.

implements of 11: 238, 246.

Indian attitude in 27: 309.

instruction in 46: 542.

kinds of 3: 283.

kinds of buffalo eaten 3: 292.

laws connected with 46: 455.

luck in 30: 200.

medicine made by skunk 14: 213.

medicine-men and 30: 338, 341.

medicine of the Menomini 14: 155.

medicines, mythic origin of 14: 93.

methods and implements, Eskimo 18: 118-173.

methods of 45: 101-105, 242-246, 344-348.

Mide "medicine" practiced in 7: 221 *sqq.*

omens in 30: 275.

ordeals preparatory to 30: 277-281.

parties 42: 405.

party, attack of 3: 300.

policemen 3: 288.

power of shaman in 45: 262.

preparations for 3: 285; 42: 444 *sq.*; 45: 184.

relation of, to games 19: LXIX.

relation of, to religious rites 27: 155.

return from summer 3: 300.

sacrifices offered in 42: 516, 517.

scores of the Eskimo 9: 361, 364.

scouts 3: 287.

seasons for 3: 283; 31: 398 *sq.*; 46: 539.

Seri methods of 17: 150* *sq.*, 201 *sq.*

sham fights after 3: 295.

snake charm used in 42: 494.

Hunting—Continued

- thanksgiving before return from 3: 293.
- the larger animals 3: 300.
- trapping and 3: 301.
- tribal circle 3: 286.
- two tribes together 3: 299.
- weapons used in 45: 240 *sqq.*
- women not taken 30: 194, 226.
- Zuñi, ceremonials preceding 2: 33.
- See also* Buffalo Hunt; Game; etc.; Hunting and Fighting; Hunting, Ceremonial; Hunting Methods; Hunting Ritual; Rabbit Hunt.
- Hunting and Fighting**
 - ordeals for 38: § 162.
 - weapons for 38: p. 144-173.
- Hunting, Ceremonial**, customs concerning 40: 267, 269.
- Hunting Chiefs**, authority of 45: 155.
- Hunting Dances**, mention of 45: 387.
- Hunting Gods**, Acoma supernaturals 47: 67.
- Hunting Grounds** as property of naumayms 35: 1345 *sqq.*
- Hunting Katcina.** *See* Teilikomato.
- Hunting Methods**
 - of the Eskimo 9:
 - fowl 276 *sqq.*
 - the fox 264.
 - the polar bear 263.
 - the reindeer 264-268.
 - the seal 268-272.
 - the walrus 272.
 - the whale 272-276.
 - the wolf 263 *sq.*
- Hunting Ritual** 47: 337 *sqq.*
- Huntington, Dr. Ellsworth**, on Water Canyon 29: 286.
- Huntington, Frank**, work of 25: xx; 26: xxix.
- Huntingtons**, finding of fiber-tempered ware at 20: 122.
- Huntsville, Ala.**, a point in the Chickasaw migration 44: 175.
- Hupa**
 - ceremonial weapons of the 13: 116.
 - games of the 24:
 - cat's cradle 763.
 - dice games 91 *sq.*, 199.
 - double ball 648, 656 *sq.*

Hupa—Continued

- games of the 24—continued
 - hoop and pole 427 *sq.*
 - ring and pin 528, 542 *sq.*
 - stick games 233-236.
- headband of the 24: 229.
- land cessions and reservations 18: 832, 886, 942.
- mythology of the 24: 657.
- population of 7: 56.
- ring worn on head by the 24: 432 *sq.*
- tattooing of the 4: 64.
- See also* Hoopah.
- Hupa Language**
 - grammatical notes on 26: xxi.
 - sketch of the 29: 18.
- Hupeça**, mystery decoration of 11: 396.
- Hupf**
 - definition of 17: 234* *sq.*
 - specimens of 17: 235*, 237*-245*.
 - type of 17: 245* *sq.*
 - uses of 17: 238* *sq.*
- Hura Kau**, the beneficent serpent 34: 265.
- Huracan**, meaning of 30: 171.
- Hurakan** in the Popol Vuh 16: 220, 221.
- Huradaide, Diego Martinez de**, explorations by 17: 55.
- Huri**
 - caught by chopping 38: § 190.
 - caught with trap 38: § 194.
 - See also* Fish Nation.
- Hurija**, Tewa name of Indian tribe 29: 574.
- Hurlbut, George H.**
 - collection from ancient Peruvian graves presented by 3: 508 *sqq.*
 - maskoid obtained by, in Peru 3: 104.
 - Peruvian relics from 5: xxxvi.
- Huron Indians**
 - conventional war tokens of 10: 652.
 - declaration of war by 10: 358.
 - method of recording used by 10: 257.
 - tattooing of the 10: 393 *sq.*
 - wampum messages of the 10: 229.
 - See also* Hurons.
- Huron-Iroquois District**
 - ancient inhabitants of 12: 550.
 - archeology of 12: 540-550.

Huron-Iroquois District—Continued

- burial mounds of 12: 543.
- caches in 12: 549.
- fish weirs and pounds in 12: 549.
- garden beds of 12: 550.
- graves and cemeteries of 12: 547.
- hut rings of 12: 545.
- inclosures of 12: 547.
- ossuaries of 12: 545.
- stone mounds of 12: 544.

Huroni. *See* **Fish Nation.****Hurons**

- affiliation of, with Algonquian tribes 43: 455.
- burial ceremonies of 5: 110–119.
- burial feast of 1: 191.
- efforts of, to establish peace 43: 455.
- games of the 24:
 - dice games 106–110.
 - racket 563, 588 *sq.*
 - ring and pin 549.
 - snow-snake 409.
 - stick games 241 *sqq.*
 - tipcat 721.
- jugglery among the 14: 139.
- mention of 19: 1055.
- peace negotiations of, with Onondaga 43: 457.

See also **Huron Indians; Wyandot.**

Hurst, Major —, at battle of Prophet's Town 14: 688.**Hurst, Rev. John F.**, linguistic collection of 15: LXVIII.**Hurst, Capt. J. H.**

- appointment of, as Indian agent 14: 887.
- arrest of Sitting Bull's band ordered by 14: 862.
- at arrest of Sitting Bull's band 14: 863.
- on causes of Sioux trouble 14: 836.
- on character of Sioux rations 14: 827.

Hurt, G., establishment of reserve by 18: 831.**Hurubuh Poison** 38: § 123, 734.**Husband**

- greeting of, to wife 42: 451.
- lying-in of 30: 320 *sqq.*
- status of 30: 187, 190 *sq.*, 200 *sq.*
- term for 42: 451.
- use of the term 42: 841.

Husband—Continued

See also **Couvade; Marriage Customs.**

Husband's Spirit, murder by, legend of 30: 182.**Hustle Cap**, dice game, Caughnawaga 24: 105.**Hut Rings**

- definition of 12: 31.
- in North and South Dakota 12: 41.

Huta-Kurakura

- legend concerning 30: 129.

See also **Hebu.**

Hutchins, —, on Indian warpath 19: 207.**Hutchinson, Consul —**, on African magic powders 9: 515.**Hutchinson, John**

- on Ojibwa curing wild rice 19: 1064 *sq.*
- on Ojibwa gathering wild rice 19: 1063.

Hu'tcītltcīk, Pima village 26: 23.**Hu'thuga**

- application of name by Ponca 27: 42.
- arrangement 27: 122, 141, 153 *sq.*, 160.
- comparison of, with tsi'huthuga 27: 58.
- general discussion of 27: 137–141, 196 *sqq.*
- references to 27: 194, 195, 207, 208.

See also **Ho'ngashenu; Inshta'-gunda Division.**

Huts. *See* **Dwellings; Houses.****Hutsnuwu, Tlingit town**, clans at 26: 410, 412.**Hutsnuwu, Tlingit tribe**

- account of 26: 412.
- clans and house groups of 26: 403.
- mention of 26: 396.
- phratries and clans of 26: 399.

Hutson, Dr. John

- collection of 34: 86.
- mention of 34: 82.

Hututu

- appearance of, in Pamūrtil 21: 27.
- description of picture of 21: 61.

Huwi Clan, relations of, with Teüa clan 19: 588 *sqq.***Hwela**, first Pima Christian convert 26: 59.

Hyades, myths concerning 19: 442.
Hyattsville, Md., quarry-shop near 15: 70.
Hycat, Kasihta chief 42: 322.
Hyde, Charles L., notification by, of Seri outbreak 17: 843.
Hyde Exploring Expedition, collection of 24: 648.
Hyde's Ferry, stone pipe from 42: 18.
Hydrochaerus. *See* **Water Haas.**
Hydrography
 of Seriland 17: 28 *sqq.*
 of Sonoran provinces 17: 25-28, 31.
Hydrophobia, treatments for 42: 659; 46: 426.
Hydrophyllum Occidentale 45: 480.
Hygiene, Sickness and, of the Guiana Indians 38: p. 702-714.
Hyla Venulosa. *See* **Rain Frog.**
Hymenaea Courbaril
 bark for wood-skins 38: § 798.
 for glazing pottery 38: § 93.
 for illuminant 38: § 5.
 fruit of, eaten 38: § 247.
 resin of 38: § 23.
Hymenoptera, larva of, eaten 38: § 226.
Hyperboreans, aquatic burial of 1: 180.
Hyperstoses, Mandibular. *See* **Lower Jaw.**
Hypnotism
 among the Caddo 14: 904.
 among the Cohonino 14: 813.
 among the Dervishes 14: 948.
 in Indian ceremonies 14: 922.
 in Navaho ceremonies 14: 811.
 in the Crow dance 14: 922.
 in the Ghost dance 14: 799, 800, 895, 899, 916, 917, 919, 922-926, 972, 1039, 1083, 1097, 1098.
 in the Shaker ceremony 14: 762.
 practice of, by Wovoka 14: 775, 818, 901.
 See also **Dream; Trance.**
Hypostoma. *See* **Yarrow.**
Hyrokön, mischief done by 30: 181.
Hyssop, Giant
 use of 44: 286.
 See also **Agastache Anethiodora.**

I

Iakon
 mention of 7: 137.
 See also **Yakwina.**
Iaillot, H., map by 17: 63.
Īām Dance of the Kiowa 17: 358.
Īāpa, killing of wife by 17: 341.
Īātāgo, Kiowa name of the Ute 17: 167.
Īātā-go, Kiowa name of the Ute 14: 1043.
Īatākia, death of 17: 378.
Iatan
 a synonym of the Comanche 14: 1043.
 identification of 17: 167.
Iatiku, the mother of all Indians 47: 65.
Iawanie. *See* **Heyewani.**
Ibarra, Francisco de
 explorations by 17: 55.
 mention of 14: 500.
I'bashabe, explanation of term 27: 219 *sq.*
I'-ba-tse Gens. *See* **Wind Gens.**
I'-ba-tse Tā-dse Gens
 life symbol of 36: 118.
 wi-gi-e of 36: 118.
Iberville, L. D., colonization by 14: 14.
Iberville, P. le M., on the Iowa and Oto 15: 195.
Ībidsii, a Paiute goddess 14: 1051.
Ibofānga
 the One Above 42: 546.
 See also **Hisagita Immisi.**
Īča'ečē, description of 11: 392.
Icazbalceta, Joaquim Garcia
 acknowledgments to 14: 339, 413, 568.
 aid of 5: xxxv.
Ice
 formation and movements of, at Point Barrow, Alaska 9: 31 *sq.*
 mention of 46: 101, 104, 106, 107, 108, 109, 110.
 on Alaskan coast, presence of 18: 24.
 terms relating to 29: 53.
 See also **Flint.**
Ice Creepers of the Eskimo 9: 135; 18: 215 *sq.*
Ice Gens. *See* **Nu'xe.**

- Ice Hockey**, game of, Sauk and Fox 24: 622.
- Ice Man**, myth of 19: 322 *sq.*, 470.
- Ice Picks**
of the Eskimo 18: 78, 79, 174.
primitive 11: 319.
- Ice Scoops**
mention of 11: 318.
of the Eskimo 18: 175.
- Ice Staffs**, Eskimo 18: 214 *sq.*
- Ice Weed**, medicine used in ceremony 42: 552.
- Icelanders**, use of perforated stones by the 13: 98.
- ICHEIRI**. *See* **Familiar Spirits**.
- Ichisi**, chief in southern Georgia 42: 175.
- Ichthyophagi**, aquatic burial of 1: 180.
- Icica**. *See* **Protium**.
- Iconoclast**, Indian, case of 42: 412.
- Ictacunda**, a division of the Omaha 37: 181.
- Ictasanda Custom**, description of 11: 383.
- Ictasanda Gens**
names of the 3: 249 *sqq.*
subgentes of the 3: 249.
taboo of 3: 248.
- Ictunga**, a division of the Kansa 37: 181.
- Icy Cape**
Eskimo of 46: 227.
implements and utensils from 18: 70, 128.
mention of 46: 231.
skull from 46: 232, 237.
summer camps at 18: 263.
transportation apparatus from 18: 213.
- Idahi**, Kiowa Apache name of the Comanche 14: 1043.
- Idaho**
archeologic exploration in 28: 18.
imbrication in 41: 140.
Indians, treaty with 18: 486.
military posts, etc., in 17: 382.
office work on material from 20: ix.
petroglyphs in 10: 77, 680.
pictographs in 4: 37.
rock carvings in 4: 24, 228.
- Idakariwakaha** land cessions and reservations 18: 788.
- Idealism**, nature and origin of 20: CLXXXV-CLXXXVIII.
- Ideals**
concerning ceremonial attendants 40: 249, 251, 257, 261, 263, 267.
in religious ceremonies 40: 229, 231, 235, 239, 243, 245, 271.
of correct living 40: 179, 403, 559, 571, 603, 607.
of religious dancing 40: 209, 211, 215, 219, 221, 223, 225.
social, connection of, with religion 37: 277 *sq.*
- Ideas**, modification of, by certain influences 4: 370.
- Identification** of the pictographs 4: 224-232.
- Identity** of drawings in each tribal system 4: 17.
- Ideographic Elements** of decoration 4: 453.
- Ideographs** 4: 219-223.
- Ideography**
mention of 10: 583-648.
preliminary remarks on 10: 583 *sq.*
progressive stages of 10: 584.
See also **Symbolism**.
- Idikep**, nock of arrow 38: § 133.
- Idiots**, beliefs concerning 30: 166.
- Idobro**, *General* —, attempt to found Seri pueblo by 17: 72.
- Idol**
Hawaiian 33: 643, 654.
See also **Alosaka**; **Doll**; **Fetish**; **Idols**; **Image**.
- Idol Cult**
traces of 30: 137-140.
See also **Dolls**.
- Idolatry** among the Tachus 14: 513.
- Idols**
at Xico Viejo and Xico 25: 247.
Casa Grande 28: 101, 121 *sq.*
from Cuba 34: 245, 249 *sq.*, 251.
from Guadeloupe 34: 136.
from Porto Rico 34: 131, 221.
from St. Vincent area 34: 113 *sqq.*
Gila-Salt region 28: 156.
in Heye collection 34: 186, 221.
in mounds in Santa Rita 19: 678-689.
in University Museum, Havana 34: 245, 250, 252.
shells used as eyes for 25: 192.

Idols—Continued

- stone collars possibly used as 34: 198.
 three-pointed 25: 128-132, 214.
 three-pointed, with heads and legs 34: 190.
 use of 46: 497.
 wooden 25: 196-202.
 wooden, in Montané's collection 34: 249.
See also Images; Stone Idols; Zemis.
I'ekithe, subdivision of the Nini' batoⁿ subgens 27: 148, 149, 153, 154.
Ierian Culture of the Lesser Antilles 34: 56.
Ietan
 a synonym of the Comanche 14: 1043.
 identification of 17: 167.
Ietau, a synonym of the Comanche 14: 1043.
Ifa Hadjo
 medal chief of Tukabahchee 42: 514.
 quoted on manslaughter 42: 342.
Igag 46: 195.
Igagik 46: 189.
Igdlumiut, Eskimo tribe, situation of 6: 463.
Igdlungajung, a fabulous tribe in Eskimo tradition 6: 640.
Igh day symbol, discussion of 16: 215.
Igiagyähona, acknowledgments to 14: 655.
Igimarasugdjuqdjuaq, the cannibal 6: 633, 634.
Igiogagamut, description of 18: 249.
"Igloo" Remains. *See Barrow.*
Iglu. *See House, Winter, of the Eskimo.*
Iglulik, Eskimo tribe, snow houses of 6: 546, 547.
Iglulirmiut, Eskimo tribe, situation of 6: 444.
Ignituk, description of 18: 252.
Iguana
 talismans from 30: 289.
 use of, as food 38: § 216.
Igwa, a Tule chief 42: 10.
Igwa Nigidibippi, song recorded by 42: 16.

Ihañktoⁿwaⁿ. *See Yankton.*

Ihanktoñwañ, a Sioux division 14: 1058.

Ihanktoⁿwaⁿna. *See Yanktonai.*

Ihanktonwanna, beliefs among the 11: 436.

Ihi, arrow shaft 38: § 130.

Ii. *See Quii.*

Iiäs, exploit of 26: 57.

Iiwan, dance stick 38: § 576.

Ijirang, fabulous people in Eskimo tradition 6: 640.

Ik symbol in Maya calendar 16: 215.

Ikaligvigmiut 46: 69.

Ikalik 46: 196.

Ikalikhvig 46: 200.

Ikaruck land cessions and reservations 18: 788.

Ikathloygiamiut 46: 69.

Ike, Charles

 on Shaker religion 14: 760.

 on Smohalla ceremony 14: 227.

 portrait of 14: 728.

Iki, caterpillar, eaten 38: § 223.

Ikogmiut; Ikogmute 46: 127, 132, 170.

Ikogmut

 buildings at 18: 248.

 ceremonial objects from 18: 418 sq., 420.

 clothing from 18: 36.

 festival at 18: 379.

 implements and utensils from 18: 66, 71, 72, 79, 87, 98 sq., 115, 185 sqq.

 legends from 18: 494-497, 516 sq.

 range of 18: 26.

 ruins near 18: 264.

 terms of chronology 18: 235.

 toys from 18: 345, 346.

Ikpikpûñ River, Alaska, location of 9: 29.

Iksa, name for clan or larger division 44: 196, 203.

Ikto, description of 11: 471.

Ilex, medicinal use of 42: 665.

Ilex Vomitoria

 an article of exchange value 42: 711.

 purpose of, in ceremonial use 42: 711.

 use of 42: 666.

See also Black Drink; Cassine.

Iliad, The Zuñi 2: 12.

Iliamna 46: 187.

Ill, Serian and Yuman words meaning
17: 337* *sq.*

Ill Omen, birds of, Guiana Indian
30: 274 *sqq.*

Illegitimacy

attitude toward 47: 134.

common at Acoma 47: 39.

Illinois

abundance of pottery in parts of
20: 80.

Adams County, antiquities of 12:
120.

Alexander County, antiquities of
12: 148-155.

archeology of 12: 112-163.

Ava, mounds near 12: 142.

Baldwin, stone graves near 12:
140.

banner stones from 13: 122.

Big Mary River, village sites along
12: 141.

Bluff Ferry, stone graves near 12:
140.

Brown County, mounds in 12: 118.

bunts from 13: 169.

Calhoun County, mound groups of
12: 121-131.

Carbondale, mound near 12: 141.

Cass County, modes of burial in
12: 554.

celts from 13: 74, 75, 77, 78, 79,
80, 81.

ceramic complications in 20: 146.

character of pottery of 20: 186.

Chester, mounds near 12: 140.

chipped flints from 13: 144, 145,
147, 148, 149.

chisels from 13: 84.

collection from 30: 22.

cones from, described and figured
13: 114.

copper-preserved cloth from 13:
37.

discoidal stones from 13: 101, 102
107, 108.

distribution of stone art in 13: 62
Dunleith 12: 114.

East Dubuque, mounds near 12:
112, 114.

Evansville, mound near 12: 140.

fabric-impressed pottery from 13:
41, 45.

Illinois—Continued

flint deposits in 13: 133.

games of the Indians of 24:

dice games 72.

stick games 230.

unclassified 781.

gorgets from 13: 119, 120.

grooved axes from 13: 65, 67.

Hardin, mounds near 12: 129.

Indian grave prairie, evidences of
ancient occupancy of 12: 120.

Jackson County, antiquities of 12:
141-147.

Jo Daviess County, antiquities of
12: 112.

Lagrange, ancient works near 12:
119.

La Salle County, ancient wall in
12: 560.

Lawrence County, mounds of 12:
163.

Madison and St. Clair Counties,
mounds of 12: 131-134.

Madison County, Cahokia mounds
12: 133, 361.

Madison County, Wood River
mounds 12: 132.

Mercer County, mounds used as
dwelling sites in 12: 560.

Mill Creek, "Indian diggings" near
12: 154.

Mill Creek, mounds near 12: 148.

muller from, described and figured
13: 93.

occurrence of salt-making vessels in
20: 28, 86.

or Upper Missouri burial mounds
district 5: 24-44.

Peoria, copper plate obtained from
mound near 12: 308.

perforators from 13: 168.

pestles from 13: 88.

petroglyphs in 10: 77-80.

pictographs in 4: 430.

Pike County, antiquities of 12:
117.

plummet from, described 13: 111,
112.

polisher from, described 13: 85.

pottery of 4: 430; 20: 188, 192,
193, 194.

Prairie du Rocher, mounds at 12:
140.

Illinois—Continued

- Prairie du Rocher, stone graves near 12: 134, 136.
 purchase of land for Indians in 1: 254.
 Randolph County, antiquities of 12: 134-141.
 resemblance of Upper Missouri Valley pottery to that of 20: 201.
 Rock Island County, mounds used as dwelling sites in 12: 560.
 Rockwood, mound near 12: 140.
 Rockwood, stone graves near 12: 139.
 Russellville, mounds near 12: 163.
 spades from 13: 135, 136.
 Sparta, mounds and stone graves near 12: 140 *sq.*
 stemless perforators from 13: 166.
 stemless scrapers from 13: 170.
 stemmed flints from 13: 151, 152, 153, 154, 155, 157, 158, 159, 160, 161, 163, 164.
 stemmed scrapers from 13: 169.
 turtlebacks in 13: 137.
 Union County, ancient works of 12: 155-163.
 Whitesides County, mounds used as dwelling sites in 12: 560.
 work in 7: xvii.
- Illinois Confederacy**, treaty with 18: 692, 693.
- Illinois District**
 archeology of 12: 550-561.
 burials mounds of 12: 551-556.
 limits and characteristics of 12: 550.
See also Illinois.
- Illinois Indians**
 defeat of Winnebago by 37: 54 *sq.*
 population of, in 1634 14: 15.
See also Illinois, games of. . . .
- Illinois Mounds**
 mention of 1: 118; 5: 10, 11.
See also Illinois.
- Illinois River**
 Indians, synonyms for 18: 797.
 Ottawa, Chippewa, and Potawatomi land cessions and reservations 18: 680 *sqq.*, 710, 712, 722 *sqq.*
 petroglyphs on 10: 79 *sq.*
- Illness**
 in Yukon Indian camp 46: 50.
See also Disease; Sickness.

Illuminants, Guiana Indian 38: § 5.

Illusions

- hearing 46: 103.
 sight 46: 73, 103.

Illustrated Catalogue

- discussion of 2: xxxvi.
 of collections obtained in 1879 by James Stevenson 2: 307.
 of collections obtained in 1880 by James Stevenson 2: 423.

Illustration, Scheme of, in sign language 1: 544.

Illustration Work of the Bureau 24: xxvii *sq.*; 26: xxx; 27: 12; 28: 21; 44: 16 *sq.*; and *passim*.

Illustrations

- Division of 29: 23 *sq.*
 examples of, for collaboration on sign language 1: 550.
 for publications 30: 23; 40: 18; 47: 12.
 made by the Bureau 25: x, xxii *sq.*
 preparation of 13: xli; 14: xlvii; 16: lxxix; 34: 28; 41: 18, 42, 71, 94, 114 *sq.*; 43: 17.
 report on 42: 17 *sq.*
 source of 20: 16.
 work in 17: lvii, lviii; 19: xxx *sq.*; 32: 31.

Ilma'wi, a Pit River band 14: 1052.

Ilokiamo, mischief done by 30: 187.

Im Thurn, *Sir Everard F.*

- cited 30: 118, 130, 163, 225, 240, 242, 243, 254, 278, 279, 294, 296, 298, 304, 313, 314, 333, 341, 381.
 on Antillean stone implements 25: 92, 97.
 on arrow manufacture and exchange 13: 99.
 on Carib mortuary customs 25: 71.
 on ceremonial weapons of Guiana 13: 29.
 on customs of peoples of Guiana 25: 147.
 on dance sticks of Guiana Indians 25: 195.
 on dreams 30: 165.
 on ordeals 30: 280, 281.
 on pottery-polishers 13: 116.
 on preparation of cassava 25: 52 *sq.*
 on races of West Indies 25: 97.
 on seats used by the Indians of Guiana 25: 204.
 on spirits 30: 175, 244.

Image

- ancient sacred, traces of 41: 564, 565.
- ceremonial use of 42: 707 *sq.*
- of clay from Arkansas mound 12: 225.
- stone, of the Natchez 42: 709.
- wooden, at Atasi 42: 310.
- wooden, found at crossing of Cumberland 42: 782.
- wooden, of Oke 42: 709.

Images

- in Hopi ceremony 16: 300.
- memorial, of the Eskimo 18: 317 *sqq.*
- of guardian spirits 45: 195.
- of Ute and Osage 13: 116.
- stone, mention of 12: 308, 361.
- stone, of animals in Walpi Snake dance 19: 980, 982.

See also **Figurines; Idols; Image.**

Imagination. *See* **Fancy.**

I'māha, a Caddo division 14: 1092.

Imalas, position of 42: 301.

Imbert, Ramon

- acknowledgment to 25: 18, 143, 199.
- on Haitian skulls 25: 30.
- on Santo Domingo idol 25: 199.

Imbricate Pattern of weaving 38: § 114.

Imbricated Basketry, changes in area of 41: 383.

Imbricated Designs 41: 236 *sq.*

Imbrication

- colors used in 41: 140.
- designs used in 41: 140.
- discussion of 41: 139-142.
- distribution of 41: 140.
- extent of 41: 141.
- home of 41: 139.
- in "all-over" designs 41: 233.
- materials used in 41: 139, 140, 155.
- methods of 41: 226 *sqq.*
- of basketry, adoption of 45: 329.
- of basketry, introduction of 45: 223.
- on Shuswap baskets 41: 352.
- relation of, to beading 41: 384 *sq.*
- relation of, to technical execution of designs 41: 295 *sq.*
- terms used in 41: 400.
- time required for 41: 413.
- use of, as background 41: 231.
- use of, as ornamentation 41: 362.

Imérnya, Alaska, location of 9: 27.

Imiri Fish, caught with trap 38: § 194.

Imitation

- a source of form 4: 445.
- cultural stage of 23: XXI, XXII.
- part played by, in sports 19: LXIV, LXV *sq.*

Imitations and Forced Interpretations of pictographs 10: 764 *sq.*

Imiz symbol, discussion of 16: 207.

Immawari, description of 30: 174.

Immigration, early, into New Spain 14: 374.

Immorality, detection of, in gens festival 40: 241.

Immortality

- belief in, among the Assiniboin 46: 418, 498, 499.
 - belief in, among the Creeks 42: 390, 391, 392, 419, 480, 481, 513, 514, 515, 709, 710.
 - belief in, among the Fox Indians 40: 372, 381.
 - belief in, among the Mohegans 44: 256.
 - belief in, among the Winnebago 37: 169.
 - belief in, primitive 11: 419, 430, 484, 512, 518, 521.
 - in Ghost dance doctrine 14: 786.
 - of body, belief in 30: 149 *sq.*, 151 *sq.*
 - of spirit, belief in 30: 149, 154.
- See also* **Soul.**

Imohalla, a Smohalla synonym 14: 717.

Imota, nock of arrow 38: § 133.

Imox symbol, discussion of 16: 207.

Impatiens, species of, used medicinally 42: 663.

Impatiens Biflora 33: 101.

Impatiens Pallita 33: 101.

Impersonation of Supernaturals

- methods of 47: 902.
- world-wide distribution of 47: 902.

Impersonators of the Gods

- appointment of 47: 523.
- prayer of 47: 706-709.

Impetigo Contagiosa among the Pima 26: 267, 268.

Implements

- and flaked stones confounded 15: 53-80.
- broken in flaking 15: 82.

Implements—Continued

- brooms 27: 98.
- carving, Eskimo 18: 85 sq.
- classification of 44: 94 sq., 96 sq.
- copper 37: 79, 85, 87, 88, 102.
- Eskimo, for procuring and preparing food 9: 310-316.
- fire-making, Eskimo 18: 75 sq.
- fishing, Eskimo 18: 173-196.
- for domestic work 27: 340 sq.
- for making cord and thread, Eskimo 18: 110 sqq.
- for skin dressing 27: 342 sqq., 345.
- from Florida, study of 18: xxx sq.
- found at Casa Grande 28:
 - bone 145 sq.
 - problematical 125, 129.
 - stone 122, 131.
 - wooden 146 sq.
- hunting, Eskimo 18: 118-173.
- in cavate lodges 13: 224, 228.
- leaf-blade 15: 82.
- making, experiments in 15: 151.
- manufacture of 27: 338 sq.
- metal 27: 613 sq., 616, 617.
- miscellaneous pointed bone 44: 112 sq.
- mortars and pestles 27: 99.
- net-making, Eskimo 18: 190.
- of sea-lion radii 44: 109.
- of sea-lion ribs 44: 108 sq.
- of shell, agricultural 2: 207.
- of the Menomini 14: 256.
- of the Northern Indians 11: 252, 317.
- of the Okanagan 45: 217 sq.
- of the Omaha 13: XLIV, LIV, 263-278.
- of the Seri 17: 10, 187*, 189*, 193*, 197*-200*, 217*, 230*, 232*-254*.
- of the Siouan tribes 15: 171.
- of the Upper Missouri tribes 46: 398, 414.
- of unknown use 44: 101.
- paint brush 27: 228.
- process of flaking 15: 57, 80, 147.
- scoring, Eskimo 18: 80 sq.
- steel, Eskimo 18: 80, 85, 89, 91, 106.
- stone 27: 613 sq.; 37: 87, 102.
- tobacco, Eskimo 18: 271, 285.
- unfinished, in Piny Branch quarries 15: 37, 38, 43, 46, 49.
- unworked stone 44: 461 sq.

Implements—Continued

- wedge-shaped bone 44: 109-112.
- wooden 37: 118 sq.
- wood-working, Eskimo 18: 81-93.
- working at quarry shops 15: 52.
- See also* Chert; Flint; Implements, Stone; Modeling Tools; Stone; Tools.
- Implements and Requisites**
 - Guiana Indian, domestic 38: p. 130-143.
 - Guiana Indian, fighting 38: p. 144-173.
- Implements, Shell** 34: 59, 78, 79, 80.
- Implements, Stone**
 - age of 34: 55.
 - chipped, rare in West Indies 34: 55.
 - classification of, from St. Vincent 34: 93 sq.
 - comparison of, from Old and New World 34: 54.
 - crescentic 34: 107 sq.
 - development of, in the West Indies 34: 54.
 - fishtail, limited to volcanic area 34: 61.
 - flaked, not made in Antilles 34: 130, 137.
 - from Dominica 34: 125.
 - from St. Vincent region 34: 104 sq.
 - from Trinidad 34: 74 sq.
 - from West Indies, two groups of 34: 262.
 - winged, limited to volcanic area 34: 61.
- See also* Awls; Axes; Celts; Chisels; Dirks; Grinders; Hammers; Harpoon; Implements; Knives; Needles; Stamps; Stone Implements; Tools; Utensils; Weapons.
- Importance**, denoted by "bigness" 30: 192 sqq.
- Impotence**, self-induced, in Indian medicine-men 9: 454.
- Impounding** of birds, Eskimo method of 18: 134.
- Improvement**
 - in modes of manufacture modify forms in pottery 4: 450.
 - of the silversmith's craft among the Navaho 2: 171.
- Improvidence** of Indians 7: 34, 37.

Imputation

- definition of 20: LI, CLXXIII.
 origin of practice of 20: LI-LIV.

Imuruk Basin 46: 197, 202.

Inaja Reserve, establishment of 18: 884.

Inali Manuscript of Cherokee formulas 7: 314 *sqq.*

Inasa, Pima myth told by 26: 239.

Inca

- bone, Yukon 46: 157.
 bones in Peruvian crania 16: 25, 52.
 government 13: 325.

Incantation

- belief in 30: 327.
 diseases treated by 16: 69, 70.
 Hawaiian 33: 639, 644, 659.

Incarnation of Sutaquison. *See* Sutaquison.

Incarnation, The, Pima ranch 26: 20.

Incas, effect of stories of wealth of 14: 350.

Incense in Sioux ceremony 14: 823.

Incense Tree. *See* Protium Heptophyllum.

Incest

- in savagery, definition of 15: CXIII.
 punishment for 42: 355, 697.

Incineration, practice of, by Pueblo Indians of Pueblo Viejo 22, i: 175 *sq.*

Incised Stones

- description of 44: 91.
 mention of 34: 148 *sq.*
 utensils of, description of 15: 105.

Incising, implements produced by 15: 27, 149.

Incisions

- decoration by 20:
 Apalachee-Ohio pottery 181.
 eastern United States pottery 55, 56, 65, 66.
 Florida Peninsula pottery 118, 121-128.
 Gulf Coast pottery 106-114.
 Iroquoian pottery 160, 161, 163 *sq.*, 166 *sq.*, 171 *sq.*
 Lower Mississippi Valley pottery 103 *sq.*
 Middle Atlantic Coast pottery 148, 151.

Incisions—Continued

- decoration by 20—continued
 Middle Mississippi Valley pottery 86, 88-92, 97 *sq.*, 100.
 New Jersey-New England pottery 177, 179.
 Northwestern pottery 189, 197, 199.
 Ohio Valley pottery 185.
 South Appalachian pottery 138, 139, 140, 144.
 imitation of textile impressions by 20: 79, 80.
 tools used for 20: 52, 66.
See also Paddles; Stamps.

Inclosures

- mention of 12: 547-562.
 sacred, definition of, by Squier and Davis 12: 605.
 sacred, evidence regarding, discussion of 12: 606.

Incomecane'took, an Okanagan division 14: 734.

Inconsistencies 33: 618, 620, 628.

Incorporation, physical and social, difference between 20: LXVI.

Indačĩnga, description of 11: 386.

Indented Pottery patterns 4: 280.

Indenting

- decoration by 20:
 Florida Peninsula pottery 118, 122, 126, 127.
 Iroquoian pottery 163, 164.
 Middle Atlantic Coast pottery 149, 151, 155.
 Middle Mississippi Valley pottery 88.
 New Jersey-New England pottery 176, 177, 178, 179.
 Northwestern pottery 189, 193, 199.
 tools used for 20: 52.

See also Decoration; Paddles; Punch; Punctures; Stamps.

Independence, Ohio, rock carving at 4: 21.

Independence Stone, Ohio 10: 102.

Independent Mode

- Algonquian, in 28:
 Abnaki 286.
 Algonkin 231, 233, 262, 264, 265, 266, 267.
 Arapaho 236.

Independent Mode—ContinuedAlgonquian, in **28**—Continued

Cheyenne 233.

Cree 231, 247 *sq.*, 258, 259 *sq.*, 268.

Cree-Montagnais 259.

Delaware 260 *sq.*, 268, 287.

Eastern Algonquian 231, 233.

Eastern Central Algonquian 237 *sq.*

Fort Totten Cree 241–245, 260, 265.

Fox 231, 247, 248, 253, 258, 259 *sq.*, 267 *sq.*, 271, 287, 289.

Kickapoo 259, 289.

Menomini 247, 248, 259 *sq.*

Natick 233, 234, 265, 268, 269.

Northern Blackfoot 231.

Ojibwa 233, 258, 259 *sq.*, 262 *sq.*, 265, 266, 267, 268, 271, 286.Ottawa 233, 265 *sq.*, 267.

Passamaquoddy 231, 265, 268, 285, 286, 287.

Peoria 233, 259, 265, 269, 270, 271.

personal pronouns 236.

Piegan 231, 259.

Potawatomi 265, 267.

Sauk 259, 289

Shawnee 231, 254, 268, 286, 289.

*See also Indicative Mode.***Index to References** in comparative study of Tsimshian myths **31**: 980–1037.**India**coast of, connected with America **14**: 513, 526.cup sculptures in **10**: 196 *sqq.*declaration of war by natives of **10**: 361.petroglyphs in **10**: 186.tattooing in **10**: 413.*See also Hindu.***Indian**cessions of land **2**: xxiii.cessions of land in the United States, memoir on **18**: LI *sq.*, LIV–LVII, 527–949.creation of **32**: 169.dependence of, on wild rice **19**: 1095–1101.education among **2**: xxv.generically, signs for **1**: 469.land treaties, work on **17**: XLIX.languages, discussion of **1**: 516.**Indian—Continued**mound in North Carolina, excavation of **1**: 120 *sqq.*physiognomy, absence of, in death's-head vases **20**: 97.portraits by J. H. Sharp, purchase of **22**, i: xxxix.pursuit of, by Hemico **21**: 115.Serian and Yuman names for **17**: 321*–324*.Tewa name for **29**: 574.title, character of **1**: 249.tongues, relative position of **1**: 15.**Indian Affairs Report**on amounts of wild rice harvested **19**: 1075, 1076, 1077.on dependence of Indian on wild rice **19**: 1096, 1097 *sq.*, 1100, 1101.on dependence of white man on wild rice **19**: 1104.on drowning of wild rice **19**: 1099.on Indian standard of life **19**: 1079.on Menomini eating wild rice with maple sugar **19**: 1085.on Menomini population **19**: 1049.on present civilization of Winnebago **19**: 1052.on time of year Indians consume wild rice **19**: 1087.on wild rice in Minnesota River **19**: 1034, 1035.on wild rice stored in Wisconsin **19**: 1072.**Indian Agents**, discussion of office of **46**: 473 *sq.***Indian Anthropology**, publications projected in **5**: xxxi.**Indian Bay, Arkansas**, collection of Indian relics from **3**: 486.**Indian Camps**below Koyukuk **46**: 53.below Tanana **46**: 46.on Tanana River **46**: 40.**Indian Castle**description of **34**: 83 *sq.*visited by Dr. J. W. Fewkes **34**: 11.**Indian Checkers**, game of **24**: 796.**Indian Coiled Pottery** of Brazil **4**: 276.**Indian Congress**Omaha Exposition, installation and conduct of **20**: xi.Omaha Exposition, plan for **20**: xvi.

Indian Consumption Plant, use of 45: 183.

Indian Corn

mention of 33: 67.

sacrifice of 9: 525.

See also **Maize**.

Indian Corn Hills, description of 43: 256 sq.

Indian Creek, mound at mouth of 44: 530.

Indian Dances. *See* **Dances**.

Indian Delegations, study of 25: x, xxi; 26: xxviii; 27: 12.

Indian-Eskimo Half-bloods, characteristics of 18: 28.

Indian Excavations in Barbados 34: 85 sq.

Indian Fields, Ky., Shawnee bands near 42: 784.

Indian Games

general discussion of 24: xxxix sq., 30, 31-35, 809.

monograph on 37: 9 sq.

See also **Children's Games; Games;** and names of different games.

Indian Gentes

mention of 3: 236-251.

See also **Gens; Gentes**.

Indian God Rock, Pa. 10: 109 sq.

"**Indian Graves**," their use conjectural 33: 193.

Indian Hemp, use of, in basketry 41: 145.

Indian Hill, forts at 28: 215, 218.

Indian Industries 3: xxviii.

Indian Knoll, comparison of, with Fewkes and Gordon sites 41: 614.

Indian Languages

at time of European discovery 7: 44.

literature relating to classification of 7: 12-25.

principles of classification of 7: 8-12.

See also **Handbook of Indian Languages; Languages;** and names of different languages.

Indian-like Features in Eskimo 46: 69, 79, 82, 99, 107, 109, 134, 151, 161.

Indian Linguistic Families

paper by J. W. Powell on 7: 1-142.

work on classification of 7: 25, 27.

Indian Masks, from northwest coast of North America, paper on 3: 106-120.

Indian Medical Spring, mention of 42: 841.

Indian Miscellany quoted 4: 188.

Indian Missions, article on 28: 15.

Indian Mound, Tenn.

collection from 44: 18.

examination of 44: 14.

Indian Music

researches in 29: 19.

See also **Densmore, Miss Frances; Music**.

Indian Office, U. S.

acknowledgments to 14: 655.

See also **Office of Indian Affairs**.

Indian Olive, use of, as a charm 42: 502.

Indian Paint Brush Bark, use of, for dyeing 30: 80.

Indian Personal Names, work on 10: xix.

Indian Physiognomy, work on 10: xxiii.

Indian Point, Siberia

basiofacial diameters 46: 279-282.
crania 46: 254, 257, 259, 261, 262, 263.

dental arch 46: 276.

facial 46: 266.

facial angles 46: 285.

means 46: 286.

nose 46: 268, 270.

orbits 46: 274.

Indian Police, reference to 27: 630.

Indian Population

researches in 29: 13.

statistics of 18: 537.

See also **Population**.

"**Indian Posy**," medicinal use of 43: 265.

Indian Potato

description of 26: 78.

mention of 33: 94.

Indian Remains, within Gordon area 41: 496.

Indian Rice 33: 67.

Indian River, mound at 34: 81 sq.

Indian Sam, on Ghost dance doctrine 14: 784.

Indian Schools, urgent need of 46: 466-470.

Indian Songs. *See* **Songs.**

Indian Spring

abrogation of treaty of 18: 714.

cession of reserve including 18: 708, 714.

reservation including 18: 702.

treaties of 18: 702, 708.

Indian Springs, tradition concerning 42: 256.

Indian Synonymy, work on 8: XXVIII.

Indian Tanks, references to 28: 12; 29: 16.

Indian Tea 33: 102.

Indian Territory

ancient quarry in 13: XXVII.

field work in 20: IX, XI; 21: IX, XII; 23: IX, XIV, XVII, XVIII; 27: 7.

linguistic studies in 5: XXXI.

military posts, etc., in 17: 383.

office work on material from 20: IX.

old fields 13: 133.

population of 19: 154.

references to 27: 51, 57.

steps toward opening up of 19: 153 sq.

Indian Theory, objections to, answer of 12: 610.

Indian Tribes

cyclopedia of, work on 20: XXIV.

synonymy of 6: XLIII sqq.

synonymy of, work on 7: XXXIV sqq.

technology and art of 27: 7.

See also **Indians.**

Indian Village Sites, paper on 42: 17.

Indian Vocabularies 3: XXVIII.

Indiana

ancient works in 13: XXIX.

celts from 13: 79.

ceramic complications in 20: 146.

cession of land by Indians 1: 257.

character of pottery of 20: 186.

exploration in 11: XXV.

Meron, mound group near 12: 554.

mounds in 5: 10.

occurrence of salt-making vessels in 20: 20.

pottery of 20: 96, 188, 191.

researches in 30: 11, 21.

Indiana—Continued

turtlebacks deposit in 13: 137.

Vanderburg County, Angel mounds 12: 556-559.

Vanderburg County, mound groups in 12: 556.

Indians

Alaskan, archeology of 46: 33.

Alaskan, crania of 46: 233, 236.

Alaskan, distribution of 46: 238.

Alaskan, remains of 46: 238.

Aleut Bay 46: 32, 33.

American, affinities of 46: 29.

at Anchorage 46: 36.

at Washington 3: XXVII.

basiofacial diameters 46: 277.

calf 46: 247.

chest 46: 245.

civilization of 46: 44.

condition of the, favorable to sign language 1: 311.

Cordova 46: 36.

cultivation of several varieties of maize by 12: 615, 617, 618.

dental arch 46: 152-157, 275.

drink 46: 42, 51.

ear 46: 244.

Eskimoid, Yukon 46: 134, 151, 161.

facial 46: 264, 265, 266.

facial angles 46: 284, 311.

Fairbanks 46: 38.

feet of 46: 246.

Galena 46: 52.

gold and silver from Spanish wrecks obtained by 12: 712.

hands of 46: 162, 245.

height of 46: 261.

historical evidence of mound building by 12: 646, 647, 650, 653, 658.

Juneau 46: 33.

legal status of 27: 51.

lower jaw of 46: 153, 157, 158, 300, 306.

Middle Yukon 46: 42.

mixture of, with Eskimo 46: 58, 69, 82, 83, 156, 161, 163, 250, 259, 268, 357, 361, 365.

mound building by, question of 12: 20.

mouth of 46: 243.

Nenana 46: 38.

not nomads when first discovered 12: 615.

Indians—Continued

- of Bellingham Bay, lodge burial of 1: 154.
- of Clear Lake, cremation of 1: 147.
- of Costa Rica, lodge burial of 1: 154.
- of Illinois, cist burial of 1: 114.
- of northern Alaska, intercourse of the Point Barrow Eskimo with 9: 49.
- of Northwest, burial sacrifice of 1: 180.
- of Panama, burial sacrifice of 1: 180.
- of South America, devouring of the dead by 1: 182, 183.
- of southern Utah, cremation of 1: 149.
- of Talomeco River, box burial of 1: 155.
- of Taos, inhumation of 1: 101, 102.
- of Virginia, burial of 1: 125.
- of Washington territory, burial superstition of 1: 201.
- orbits of 46: 272.
- origin of 46: 360.
- physical characteristics of Alaskan 46: 33, 36, 37.
- pictographs of the North American 4: 3-256 *passim*.
- Prince Rupert Bay 46: 33.
- rapid spread of European articles among 12: 713.
- removal of, west of the Mississippi River 5: 214.
- Ruby 46: 48.
- skeletal parts of 46: 315.
- skull size of 46: 255, 256, 257.
- Tanana 46: 124, 133.
- Tanana mission and town 46: 42.
- Tanana River 46: 40.
- the mound-builders 12: 610.
- the term defined as used herein 12: 569, 610.
- theories respecting signs of 1: 313.
- See also Demarcation, Eskimo.*

Indians, Yukon

- comparison of, with Eskimo 46: 227.
- crania of 46: 150, 152-155.
- living, anthropometry of 46: 150.
- long bones of 46: 156-160, 163, 165.
- mention of 46: 129-132, 133, 150, 152-155, 160, 161.

Indians, Yukon—Continued

- migrations of 46: 83.
- mixture of, with Eskimo 46: 151.
- physical characteristics of 46: 151, 161.
- type of 46: 83.
- wars of 46: 170.

Indicative Mode

- Algonquian, in 28:
- Cheyenne 234.
- Cree 239, 240, 247, 273.
- Delaware 273, 275-278.
- Malecite 269.
- Micmac 269, 273.
- Natick 272 *sq.*
- Ojibwa 247, 273.
- Penobscot 269.
- Peoria 259, 273.
- various languages 273.

See also Independent Mode.

Indicators, use of, in catching seal 9: 254 *sq.*

Indiera, location and inhabitants of 25: 25.

Indigenous Dogs, in British Guiana 38: § 717.

Indigestion, treatment for 44: 342.

Indigo

- for hammock staining 38: § 478.
- wild, medicinal use of 43: 266.

Individual Achievements, signs of 10: 433-441.

Individual Designation 10: 419-460.

Individuality of pottery designs 4: 305; 20: 18, 19, 21, 22.

Indo-European Languages, reference to 28: 290.

Industrial Activities, progress of research in 17: xxx *sq.*

Industrial Culture, evolution of 20: CXXV.

Industrial Development, outline of 17: 249*-253*.

Industrial Occupations of the Omaha 3: 283-311.

Industrial Uses

- of pottery among American aborigines 20: 24 *sq.*

See also Domestic Uses; Modeling Tools; Tools; Uses.

Industries

- classification of 20: xxxi.
- of the Kwakiutl 35: 57-172.

Industries—Continued

- of the Omaha, protective 3: 312-333.
- of the Omaha, regulative 3: 356-363.
- of the Pima 26: 29.
- of the Seri 17: 180*-269*.
- of the Sia 11: 22.
- of the Zuñi, how affected by Spanish intercourse 13: 340.
- primitive, egoism reflected in 19: 832.

Industry

- a virtue in girls 40: 299, 339.
- definition of 20: xxix.
- native, Yukon River 46: 82.
- of the Indians 7: 36.
- of the Tsimshian 31: 45 sq.
- See also Industries; Technology.*

Inemikee, Menomini treaty commissioner 14: 21.

Infancy, ceremonials connected with 11: 140, 482.

Infant nursed by Bears, Iroquois tale 2: 84.

Infantado, *Duke of*, appointment of brother-in-law of 17: 477.

Infanticide

- a common custom 46: 521.
- among the Čegiha 3: 263.
- among the Guiana Indians 38: § 729 sqq.
- among the Hawaiians 33: 616.
- law concerning 42: 333 sq.
- practice of 42: 345.

Infants

- beliefs concerning 40: 321, 343, 557 sqq.
- burial of 47: 483.
- head-cover for 35: 665.
- mortuary customs concerning 40: 369 sqq.
- treatment of 35: 656-699.
- understood by shamans 40: 343.
- See also Baby; Children.*

Infidelity

- Eskimo manner of regarding 18: 292.
- punishment for 46: 504 sq.

Inflection

- in English language 1: 14.
- in language 1: 4.
- paradigmatic 1: 7, 15.

Influenza

- epidemic of, reference to 47: 961.
- mention of 46: 41, 69, 133.

Informants

- designs made by 41: 431-454.
- Isleta, characteristics of 47: 201 sq.
- mention of 42: 32.
- Moⁿ-zhoⁿ-a'-ki-da 36: 274.
- Pa'-thiⁿ-wa-we-xta 36: 272.
- Tse-zhiⁿ-ga-wa-da-iⁿ-ga 36: 153, 155, 274.
- Wa-thu-xa-ge 36: 292, 298.
- Wa-tse'-moⁿ-iⁿ 36: 156, 211, 219.
- Wa-xthi'-zhi 36: 153, 155.
- Xu-tha'-wa-toⁿ-iⁿ 36: 238.

Infusions, medical 38: § 927.

Inga Laterifolia

- for black pigment 38: § 30.
- fruit of, eaten 38: § 247.

Inga sp., slimy barks of, for slipping boats over logs 38: § 800.

Iñgčē-jide Gens, Omaha

- decoration of skin tents 3: 248.
- mention of 3: 247.
- names of 3: 248.
- subgentes of 3: 248.
- taboos of 3: 248.

Inger 46: 194.

Ingles, Mary, a captive of the Shawnee 42: 741 sq.

Ingles, Capt. William, pursuit of Indians by 42: 769.

Ingles' Ferry, Va.

- end of safe travel 42: 761.
- route from, to the Kanawha 42: 767 sq.
- trail from 42: 759 sq.
- See also English's Ferry.*

Ingregamiut, below Paimute 46: 67.

Iñgth'zhide Gens, account of 27: 183 sqq., 201.

Iñgthoⁿčiqⁿnedeweti, subgens of the Thi'xida (Ponca) 27: 43.

Iñ-gthoⁿ-ga Gens

- animals used by, as symbol 39: 244.
- life symbols of 36: 107, 108, 109, 110, 111, 112.
- mention of 39: 77, 80, 213.
- of the Hoⁿ-ga subdivision 39: 41.
- office belonging to 39: 92.
- personal names of 43: 135 sq.

In-gthon'-ga Gens—Continued

symbol of 39: 50.

wi'-gi-e belonging to 36: 107-112;
39: 46.*See also* **Puma Gens**.**In-gthon'ushkon**, Osage name for He-
thu'shka society 27: 459.**In-gthu'ithaethe Society**

description of 27: 490-493.

See also **Thunder Society**.**Inhabitants**

of Casa Grande 28: 94, 156.

of Upper Verde-Walnut Creek region
28: 185, 186.*See also* **Migration**, *Pima*.**Inheritance**

among the Assiniboin 46: 478 sq.

among the Eskimo 18: 307.

among the Kiowa 17: 233.

among the Kwakiutl 35: 1113,
1114, 1348, 1358.influence of, on form of pottery 20:
61 sq.

of Eagle seats 35: 823.

Inhumation

among the 1:

Comanches 99, 100.

Coyotero Apaches 111, 112.

Creeks and Seminoles 95, 96.

Indians of Taos 101, 102.

Mohawks 93.

Otoe and Missouri Indians 96, 97
98.

Pimas 98, 99.

Sioux 107-110.

Wichitas 102, 103.

Yuki 99.

Inigo, Fray—

as a historian 25: 20, 40.

on aboriginal Antilleans 25: 28.

on Borinquenios 25: 23, 68 sq., 93.

on burial customs of the eighteenth
century 25: 72.**Iniktilik** 46: 207.**Inirida Indians**, religious beliefs of
30: 117.**Initial Days**of Great Cycles of Mayan chronology
22, i:

discussion of 236-248.

tables showing 236, 255, 256.

Initiate, instructions to wife of 37:
140, 270.**Initiation**

assistance of clansmen at 47: 39.

at puberty 47: 478.

ceremony at close of 47: 802 sq.

ceremony of, into medicine society
47: 112 sqq.

fees for 36: 154, 155.

formal, of war chiefs 47: 48 sqq.

into Kateina society 47: 540 sq.

into the K'acale 47: 99.

into Medicine dance 37: 367, 374-
378.into medicine societies 47: 315 sqq.,
541, 795-803.into Menomini Mitawit 14: 67,
68, 85, 137.into Ni'-ki Wa-thoⁿ degree 36:
238.

into Shrine degree 45: 684 sqq.

into Winnebago society 14: 110.

of children, into Kachina organiza-
tion 47: 71-75.

of Grandfathers 47: 263.

of the Kwakiutl 35: 733, 742, 850,
877, 904, 942, 959, 1122-1138,
1153.

requirements for 36: 154.

return from 35: 738.

rite of 47: 975-980.

Initiation Ceremony

ground plan of place of 39: 84.

influence of, on Hopi calendars 21:
16, 19.

notice of 39: 52 sq.

preparation of 39: 42-52.

time required for 39: 46 sq., 52.

Initiator or Priest

apparel of 36: 248.

ceremonial painting of 36: 74.

Injuries, classification of 44: 335.**Injury**. *See* **Punishment**.**Inkaliks** 46: 57, 130, 131, 150.**Inkberry**, mention of 33: 78.**In'ke'gabe Gens**connection of, with sacred corn 27:
262.custodian of Sacred Tribal Pipes
27: 196, 207, 209.

general account of 27: 146-151.

names in 27: 147.

on annual buffalo hunt 27: 271,
277.part in establishing Nini'batoⁿ divi-
sion 27: 201.

Inke'gabe Gens—Continued

part in He'dewachi 27: 252, 257, 258.

references to 27: 154, 261, 379, 589.

war pack from 27: 434.

Inke-sabě, decoration, description of 11: 408.

Inke-sabě Gens, The Omaha. *See* **Black Shoulder Gens.**

Inktomi, patron god of hoop and pole, Oglala Dakota 24: 507.

In'kugthi Athiⁿ. *See* **Pebble Society.**

Inlanisalgi

a Creek clan 42: 116, 119.

affiliations of 42: 121.

Inlaying

Eskimo examples of 18: 83, 98, 144, 162, 168, 182, 200, 274, 277.

pottery decoration by, eastern United States 20: 52, 67.

pottery decoration by, South Appalachian province 20: 131.

Innokko River

explorations on, by E. W. Nelson 18: 20.

Indians of 46: 131.

Innuït and Ingalik, box burial of 1: 156 *sqq.*

Innuït Indians

instruments used by, for carving on bone 10: 218.

labrets of 3: 88.

language of 4: 147, 191, 214 *sq.*

legendary origin of 11: 261.

masks of 3: 121-136.

method of keeping accounts of 10: 264.

of Prince William's Sound 3: 124-128.

of the Ungava district 11: 175.

pictograph of whale hunting by 10: 531.

pictographs of 4: 198.

population of 7: 75.

sign language of 1: 307.

tattooing of 4: 63.

use of bow-drill by 4: 48.

See also **Eskimo.**

Inquiry

signals for 1: 531, 536.

Inquiry—Continued

signals for 1: 291, 297, 303, 447, 480, 486, 494.

Inquisition, badge of, description of 14: 507.

Insanity

how regarded in Apache "medicine" 9: 460.

rare case of 47: 245.

Inscribed Tablets 12: 632.

Inscription Rock, *El Moro*, *New Mexico*

declared national monument 28: 18.

mention of 4: 28; 10: 96; 13: 326.

Inscriptions

at Piedras Negras 19: 788-791.

Copan 19: 776-788.

initial series of 19: 801.

Temple of 19: 771-775.

Insect Figures

on Pueblo pottery 22, i: 81 *sqq.*

on Sikyatki pottery 17: 658.

Insects

Eskimo account of creation of 18: 455.

in captivity 38: § 726.

known to the Omaha 27: 106.

myths and lore concerning 19: 239, 241 *sq.*, 244, 308, 401, 430.

of Seriland 17: 37.

of the Point Barrow region 9: 59.

In'shta'qun'da Division

place in hu'thuga 27: 138, 196 *sqq.*

references to 27: 61, 208, 355.

rites in charge of 27: 195.

See also **Sky People**; and names of gentes.

In'shta'qun'da Gens.

birth customs of the 27: 115.

connection of, with Turning the Child 27: 118.

general account of 27: 185-194.

in He'dewachi 27: 258.

position in hu'thuga 27: 122.

rites belonging to 27: 196 *sq.*

sacred Tribal Pipes prepared by 27: 196, 207, 209.

See also **Nini'batoⁿ; Washe'toⁿ.**

In'shta'maza. *See* **La Flesche, Joseph.**

In'shta'thabi, account of 27: 147.

Inside Passage, scenery 46: 32.

- Insignia**
 of authority 4: 168; 10: 419-433.
 of chief, Guiana Indian 38: § 751.
 of medicine-men 30: 327, 329-333.
 of war 37: 161 *sq.*
 on badges of shell 2: 264, 266, 273.
- Inspellum**
 a Nespelim synonym 14: 733.
 an Okanagan division 14: 734.
- Institution**, definition of the term
 20: LIX.
- Institutional Activities**, progress of
 research in 17: XXXI-XXXIV.
- Institutions of Siouan Indians** 11:
 411; 15: 176.
- Instruction**
 characterization of agencies of 20:
 CXCv-CXCvII.
 subject matter of 20: CLXXI *sq.*
 system of, to children 37: 180.
 system of, to daughters 37: 177-180.
 system of, to sons 37: 166-177.
See also Education.
- Instrumental Particles**
 Arapaho 28: 236.
 reference to 28: 226.
- Instruments**
 of music, Guiana Indian 38: § 450-
 469.
 used in pictography 4: 48; 10:
 218-222.
 used in primitive trephining 16:
 12, 17, 27, 28, 32, 34, 35, 40, 53,
 58, 71.
See also Musical Instruments;
Stone Implements.
- Insult**
 potlacth to numayn as 35: 1030.
 sign of 1: 304.
 small marriage gift as 35: 1030.
- Intaglio Mounds**
 discovery of, by Lapham 37: 90.
 located near earthworks 37: 90.
 possible meaning of 37: 81.
 where found 37: 79.
- Intaglio Ornament** 4: 271, 374.
- Intaglio Ornamentation**
 eastern United States 20: 52, 66, 88.
See also Cords; Fabrics; Fingers;
Finger-nails; Incision; Indent-
ing; Paddles; Punctures;
Stamps; Stipple; Textiles;
Trailing.
- Integration in Acoma culture** 47:
 140.
- Intelligence**
 of the Western Eskimo 46: 240.
See also Behavior.
- Intemperance.** *See Intoxication.*
- Intention**, a modifier of form in pot-
 tery 4: 452.
- Intercourse**
 act of 1796 5: 173.
 between tribes 45: 322-325.
- Interior**
 and coast cultures contrasted 42:
 718-724.
 and coast peoples, relations of 42:
 724 *sqq.*
 arrangement of pueblos 8: 108-111.
 of Zuñi house, description of 8: 110.
- Interior Department**
 part of, in archeologic explorations
 28: 18.
 work of 29: 20.
- Interjectional Cries** 1: 283.
- Interment of collected bones** 1: 170.
See also Burials.
- Intermarriage**
 among the Menomini 14: 35.
 among tribes of Western Eskimo
 18: 25.
 between tribes 45: 40, 215 *sq.*, 322,
 325.
 of whites with Cherokee 19: 83.
 with whites 46: 102, 106, 111, 151,
 625.
See also Marriage.
- International Congress of Ameri-
 canists** 26: x *sqq.*
- International Congress of Anthro-
 pology, 1893**, papers by F. H.
 Cushing in *Memoirs of* 20: 159
sqq.
- International Law among the Omaha**
 3: 368.
- International Polar Expedition**, or-
 ganization and work of 9: 19.
- Interpretation**
 means of 10: 745-758.
 of picture signs, how obtained 4: 16.
- Interpreters**
 difficulties in obtaining 39: 15.
 followers of Cabeza de Vaca trained
 as 14: 354.
 functions of 42: 295 *sq.*
 Pima 26: 17, 18.

- Interrogation, Mark of**, in sign language 1: 367.
- Intertribal Relations**
Pima, alliances 26: 200.
Pima, warfare 26: 200-206.
- Intestines**
Eskimo clothing made of 18: 36, 41.
Eskimo hunting implements made of 18: 141.
Eskimo method of tanning 18: 118.
Eskimo musical instruments made of 18: 352.
of seals, Kwakiutl use of 35: 453, 454, 455, 457.
use of, for clothing 11: 220.
See also Entrails.
- In-the-Middle.** *See Pa-iñgya.*
- Intie'took**, an Okanagan division 14: 734.
- Intimpeach** land cessions and reservations 18: 782.
- Intiwa**, Hopi chief, on advent of clans at Walpi 19: 585.
- Intonation**, process of 1: 617.
- Intoxicants**
absence of, among the Nenenot 11: 304.
introduction of, among the Menomini 14: 215.
- Intoxication**
mention of 38: § 280.
the time for quarreling 38: § 728.
See also Drinking and Eating.
- Introduction**
to the Study of Indian Languages, discussion of 2: xvi.
to the Study of Medicinal Practices, preparation of 2: xxv.
to the Study of North American Mythology, preparation of 2: xxv.
to the Study of North American Sociology, preparation of 2: xxv.
to the Study of North American Technology, preparation of 2: xxv.
- Introductory** 3: xiii.
- Intruders** in territory of civilized tribes 19: 152, 154.
- Inugpaqdjuqdjualung** 6: 638.
- Inûna-ina**, a synonym of the Arapaho 14: 953.
- Inuarudligang**, fabulous tribe in Eskimo tradition 6: 640.
- Inuas**
Eskimo beliefs concerning 18: 387, 388, 392, 394, 395, 422, 423, 427, 435, 440, 441.
Eskimo carving representing 18: 440.
Eskimo masks representing 18: 395, 397, 401, 402, 406, 408.
- Inuit Race**
divisions of 6: 420.
See also Innuitt Indians.
- Invention**
of new signs in sign language 1: 387.
stage of, in cultural evolution 23: xxi, xxii.
- Investing Corporations**, purposes of 20: lxxiii.
- Investment**, use of capital for 20: lxx.
- Invisibility**, power of 30: 341.
- Invisible Adviser** 35: 1123, 1127.
- Invitation**
during ceremonial season 35: 752.
during secular season 35: 752.
formal, River Inlet 35: 1179.
mention of 35: 320, 382, 383, 384, 490, 503, 528, 537, 570, 581, 752, 755, 762, 763, 770, 866, 990, 1041, 1045, 1060, 1156 sq., 1170.
to assembly 35: 1012.
to breakfast 35: 328.
to ceremonial 35: 871 sq.
to eat roasted salmon 35: 307, 310.
to feast 35: 329, 330, 427, 561, 565.
to feast, return of 35: 439.
to meal 35: 356, 368.
to Winter ceremonial 35: 920, 1151, 1156.
to Winter dance 35: 899, 900, 914.
- Invitation Sticks**
making of 37: 329.
mention of 10: 364 sqq.
order of sending 37: 550.
presentation of 37: 329.
use of 40: 362.
- "Inviting-in" Feast** of the Eskimo 18: 358 sq.
- Invocation**
mode of 30: 167, 178, 192, 347-351.
of the trap 11: 387.

Involuntary Response to gestures
1: 280.

Invulnerability

Indian belief in 11: 495.

See also **Ghost Shirt**.

Inyan, belief in the 11: 447.

Ioni, a Caddo division 14: 1092.

Ionohumne land cessions and reservations 18: 782.

Ionoxalis Violacea 33: 98.

Iowa

Alamakee County, antiquities of 12: 99-107.

archeology of 12: 99-112.

celts from 13: 77.

character of pottery of 20: 186.

chipped flints from 13: 145, 147.

Clayton County, mounds in 12: 108.

distribution of stone art in 13: 61.

Dubuque County, antiquities of 12: 108 *sqq.*

Eldon, mound near 12: 110.

explorations in 11: xxv.

fabrics from 13: 36.

field work in 23: ix, xiv, xvii.

grooved axes from 13: 65, 66, 67, 68.

Hay's farm, ancient earthwork on 12: 104, 105.

hematite celts from 13: 86.

information about, furnished by J. H. Jordan 12: 110, 111.

Iowaville, mounds near 5: 33, 34; 12: 110.

Lee County, mounds on bluff of 12: 112.

military post in 17: 383.

mortars from 13: 96.

mounds and earthworks in 12: 38, 45, 99, 100.

mounds in 5: 10, 24; 12: 110.

office work on material from 20: ix.

Peru, mound group near 12: 108, 190.

petroglyphs in 10: 80.

pictographs in 4: 34.

pottery from 4: 427, 428, 429; 20: 188, 192, 193.

reference to 27: 622.

rock carvings in 4: 23.

Scott County, Cook farm group 12: 553.

Iowa—Continued

stemless perforators from 13: 165, 166.

stemless scrapers from 13: 170.

stemmed flints from 13: 155, 158, 159, 161, 163.

Van Buren County, mounds in 12: 112.

Wapello County, remains in 12: 110.

Iowa Indians

a Sanpoil synonym 14: 733.

a Loiwere division 15: 162.

absence of Ghost dance among the 14: 816.

association of, with Omaha 27: 35.

attacked by Dakota 27: 86.

bark lodges of the 13: 271.

beliefs among the 11: 439.

early habitat of the 15: 195.

early relations with French 27: 81.

fasting among the 40: 546.

games of the 24:

archery 394.

dice games 186.

hidden ball 365 *sq.*

racket 615.

gentile organization of the 15: 238.

Ghost dance among the 14: 902.

habitat and population of 7: 116, 118.

Hethu'shka society among 27: 459.

land cessions and reservations 18: 706, 710 *sqq.*, 726, 760, 768, 772, 792, 824, 912, 918.

legendary origin of 37: 50.

mention of, by Le Sueur 27: 80.

name applied to English by 27: 611.

Omaha name for 27: 36, 102.

origin of term 15: 168.

party to treaties 27: 73, 74, 218, 612.

population of, in 1822 19: 1110.

reference to 40: 548.

secret society among 6: 396.

Ipadu. *See* **Ypadu.**

Ipnot 46: 206.

Ipomoea Batatas, potatoes, cultivation of 38: § 246.

Ipomoea Leptophylla 33: 110.

Ipomoea Pandurata, medicinal use of 42: 676.

- Ipswich, Mass.**, occurrence of Iroquoian pottery at 20: 168.
- Ipuricoto.** *See* Purigoto.
- Ira Bingham** mounds and village site 37: 99.
- Ireland**
cup sculptures in 10: 194.
petroglyphs in 10: 171.
- Iriarteia exorrhiza**
for drilling quartz 38: § 20.
for wooden music tubes 38: § 559.
- Iriarteia sp.**, for blowgun 38: § 117.
- Iridaceae** 33: 72.
- Iris**, medicinal use of 42: 69.
- Iris Versicolor**
mention of 33: 72.
use of 44: 290, 322, 366.
- Irish**, —, treaties concluded by 18: 829, 831.
- Irish**
blood among the Cherokee 19: 83.
Omaha name for 27: 621.
- Iron**
blade, fragment of, from mound in North Carolina 12: 337.
celt from mound in North Carolina 12: 337.
Eskimo implements made of 18: 81, 82, 85, 86, 106, 107, 109, 123, 137, 145-149, 159, 161, 165, 176-182.
Eskimo ornaments made of 18: 58.
Eskimo surgical instruments made of 18: 309 sq.
Eskimo tobacco implements made of 18: 273, 282, 283.
griddle, Guiana Indian 38: § 363.
implements among Eskimo, introduction of 18: 80, 89, 91.
introduction of 38: § 22.
mention of 46: 363.
nails from Hollywood mound, Georgia 12: 319, 320.
oxide, Eskimo paint made of 18: 198.
pictures on 4: 191-194, 197, 205 sq., 214.
Seri use of, for arrow and harpoon points 17: 187*, 189*, 198*, 247* sq., 249*.
- Iron Arrow Point, Chief**, mention of 46: 573.
- Iron Bear**, portrait made of 34: 28.
- Iron-Mountain.** *See* Púíwi-Tóyābi.
- Iron Oxides**
use of, as paints by certain United States potters 20: 86.
See also Iron oxide.
- Iron Pyrite**, use of, as tempering material, eastern United States 20: 48.
- Iron-Shirt-Man**
death of 17: 294.
See also Ba-zhe-ech.
- Iron Tools**, occurrence of, in Georgia mound 20: 139.
- Iron Vessels**, substitution of, for pottery, eastern United States 20: 58.
- Iron Walker's Village**, location of 37: 51.
- Ironstone Concretions**, cups of, description of 44: 93 sq.
- Ironweed**, medicinal use of 42: 668.
- Ironwood**
timber, use of, for clubs 38: § 150.
tree, nuts of, eaten by Pima 26: 70 sq.
use of 44: 291, 377.
use of, at Casa Grande 28: 146, 147.
See also Ostrya Virginiana.
- Iroquoian Bibliography**, work on 10: xx.
- Iroquoian Comparative Mythology** 21: xxxi.
- Iroquoian Cosmology** 21: 127-339; 25: xviii.
- Iroquoian Family** 7: 76-81.
- Iroquoian Indians**
collections made by Hewitt among 22, i: xxxix.
field work among 18: xxviii; 22, i: xiii.
languages of, work on 22, i: xxxii.
myths of, work on 22, i: xxxv sq.
- Iroquoian Material**, linguistic and mythologic, study of 20: xx.
- Iroquoian Pottery**
area covered by 20: 21.
blending of, with Algonquian, New Jersey-New England region 20: 175.
chronology of 20: 162.
color of 20: 162.
decoration of 20: 162 sqq., 168.

Iroquoian Pottery—Continued

- distribution of 20: 160.
- examples of 20: 164-175.
- form of 20: 162.
- general characteristics of 20: 159 *sqq.*
- materials and manufacture of 20: 161.
- occurrence of, in West Virginia 20: 150.
- occurrence of, on tributaries of Ohio 20: 183.
- pipes 20: 45, 172-175.
- reported occurrence of, in Alabama 20: 105.
- resemblance of Middle Atlantic Coast pottery to 20: 149, 157.
- resemblance of New Jersey-New England pottery to 20: 175, 179.
- resemblance of Northwestern pottery to 20: 196, 197, 198.
- sizes of 20: 162.
- uses of 20: 162.

Iroquoian Province

- exotics in 20: 167.
- pottery of 20: 158-175.

Iroquoian Stock

- games of the 24:
 - racket 562.
 - stick games 227.
- tribes of the 24:
 - Caughnawaga 105, 474, 573.
 - Cherokee 105, 475, 574.
 - Conestoga 105.
 - Hurons 105, 241, 409, 549, 588, 721.
 - Mohawk 110, 500.
 - Onondaga 111, 349, 502.
 - St. Regis 592.
 - Seneca 113, 350, 410, 476, 592, 805.
 - Tuscarora 118, 413, 477, 629.
 - Wyandot 118, 351, 702.
- unknown to the Omaha 27: 102.

Iroquoian Texts 24: xviii *sq.***Iroquoian Traditions, study of 21: x, xxiv.****Iroquoian Tribes.**

- creation myths of, work on 20: xxi.
- distribution of 19: 17.
- Federal Council of 43: 459.
- festivals of, for thanksgiving 43: 464.

Iroquoian Tribes—Continued

- habitat of 28: 290.
- in Missouri and Oklahoma 42: 13.
- influence of, in southern New England 43: 210 *sq.*
- lands assigned to 43: 453.
- manufacture of pottery by 20: 160.
- migrations of 19: 189 *sq.*
- partial occupation of South Appalachian province by 20: 131.
- peace conference of 43: 455.
- representation of, in South Appalachian pottery 20: 140.
- researches among 28: 14; 42: 11.
- study of language and myths of 20: xi.
- study of languages of 19: xxvi.
- work among 19: xviii.
- work on genesis myth of 40: 6.
- See also* Cherokee; Iroquois; League of the Iroquois.
- Iroquois and Cherokee Treaty 14: 670.**
- Iroquois Federation, study of Cayuga texts relating to 39: 14.**
- Iroquois Indians**
 - and Ojibwa, warfare 19: 1039.
 - attitude of, during Revolution 19: 47.
 - beliefs of the 11: xxx, 366.
 - blood of, among Cherokee 19: 234.
 - burial customs of the 5: 21.
 - Cherokee relations with 19: 14, 18, 38.
 - Chungke game among the 13: 99.
 - Confederacy established by Hiawatha 2: 54.
 - control of revenues of 19: 156.
 - conventional signs of, for dead men and death 10: 660 *sq.*
 - creation myths, monograph on 23: xxxvi, xl.
 - deer-horn clubs of 13: 143.
 - Flathead name for 45: 302
 - games of the 24:
 - dice games 105, 113 *sqq.*
 - hoop and pole 422.
 - racket 590, 591, 592 *sqq.*
 - snow boat 410 *sq.*
 - snow-snake 400, 412.
 - God of Winter of 32: 61.
 - gods and deities of 32: 69.
 - habitat of 20: 159 *sq.*, 167 *sq.*

Iroquois Indians—Continued

illustration of prisoner of 10: 600.
 influence of, on westward migration of Siouan stock 19: 1043.
 insignia of chiefs of 10: 419.
 investigation of, by Mrs. E. A. Smith 5: xxix, xxxii.
 jugglers among the 14: 139.
 language of the 26: xxi.
 legends of Cherokee wars with 19: 232, 351-370, 485-494.
 long house of, traced along Atlantic seaboard 42: 687.
 masks 3: 144-148.
 method of wood-working by 13: 72.
 migration to Canada by 19: 99.
 military terms of 10: 555.
 mode of addressing Delawares used by 19: 497.
 mortuary customs of 17: 288*.
 myths of 19: 229, 234, 429, 430, 432, 436, 439, 440, 443, 447, 448, 451, 454, 469, 471, 473, 501, 504.
 name of, for Catawba 19: 498.
 name of, for Cherokee 19: 16.
 nets of 13: 26.
 of New York related to Cherokee 42: 712.
 Ojibwa name for 19: 1039.
 Ojibwa warfare with 19: 1039.
 orenda of 23: xxxix.
 origin of the 2: 52.
 peace embassies of 19: 109, 352, 353-356, 365, 367-370, 485-488, 491-494.
 peace towns among 19: 483 sq.
 poisoned arrows used by the 14: 285.
 record of battles of 10: 554 sq.
 records of events of 10: 575 sq.
 research among 41: 8 sqq., 31 sqq., 55, 86 sq., 109 sqq.
 scaffold burial of the 1: 169, 170.
 sketch of the 19: 483 sqq.
 sketch of grammar of 30: 20.
 stone mortars of 13: 96.
 study of fraternities and cults of 19: xlvii.
 study of language of 15: xxvi.
 study of the 1: xxii; 15: xxiii, xxxi, xxxv.
 surface burial of the 1: 140.
 tattoo designs of 10: 364.

Iroquois Indians—Continued

tribal designations of 10: 377 sq.
 union of Tuscaroras with 20: 142.
 use of perforated stones by 13: 98.
 use of wampum beads by 10: 288 sqq.
 vases from land sold to Susquehanna Company by 20: 166.
 war expeditions of 42: 735-757.
 war post of 10: 227.
 war records of 26: 35.
See also **Five Nations; New York Indians; Seven Nations of Canada; Six Nations.**
Iroquois Language
 researches in 29: 17.
 sketch of 27: 9.
 studies in 13: xli; 14: xli; 18: xliii sq.
 study of, by Mrs. E. A. Smith 2: xxii.
 work in 17: liii sq.
 work of J. N. B. Hewitt on 36: 14.
Iroquois, League of the
 memoir on, by J. N. B. Hewitt 37: 11.
 mention of 20: 158 sq.
 material relating to 38: p. 7.
 reference to 29: 17.
 tribes not connected with 20: 165.
Iroquois Point, purchase of land at 18: 810.
Iroquois Texts, meaning of, recovered 47: 7 sq.
Irrigation
 aboriginal 23: xii, xiii.
 Acoma affected by 47: 57, 58.
 among the Antilleans 25: 50 sq.
 among the Pima 26: 29, 86-89.
 among the San Juan Indians 29: 230.
 among the Sia 11: 11.
 among the Tewa Indians 29: 52, 76.
 by the inhabitants of Pueblo Viejo 19: xv.
 canal at Tempe 26: 53.
 canals of the Hohokam 26: 87.
 ditches in Verde Valley 13: 194, 237, 238; 17: 538.
 of gardens near Walpi 8: 217.
 of Zuñi land 47: 474.
 on Gila and Salt rivers 26: 54, 65.

Irrigation—Continued

prehistoric, in Pueblo Viejo Valley
22, i: 178 sq.

prehistoric, in Sonora 16: LXVIII.
represented in pictography 17: 545.
system of 47: 55.

tools used in digging canals 26: 97.
water supply reduced 26: 32 sq.

Irrigation, Ancient

effect of, on soil 28: 160.

in Casa Grande region 28: 36 sq.,
51, 55, 57, 68, 103, 113 sqq.

in Walnut Creek Valley 28: 214,
218.

Irving, —, on De Soto's route 19:
193, 195, 198.

Irving, J. T., on Iroquois Chungke
stones 13: 99.

Irving, John T., jr., on hoop and pole,
Pawnee 24: 463.

Irving, Washington

citing Ramon Pane on Haitians 25:
139.

on Carib cannibalism 25: 50.

on fountain of youth 30: 151.

on immortality 30: 151 sq.

Irwin, Major —.

on Sauk and Fox expulsion 14: 19.
quoted, through Jedidiah Morse, on
Menomini use of wild rice 19:
1048 sq.

Isaacks, A. J., sale of land to 18: 793.

Isabella

Reserve, relinquishment of rights in
18: 834.

treaty of 18: 834.

İsä-hä'bīt, in Caddo fight of 1860 17:
308.

Isahi, wrestling shield 38: § 608.

İsanä'naka, treaty signed by, in 1867.
17: 186.

Isañati, a Santee synonym 14: 1058.

Isanyati. *See* Santee.

İ'sätai, a Comanche medicine man
17: 201.

Isauû Clan

Coyote Clan, advent of, at Walpi
19: 585.

See also Hopinyû.

Isba Spring

Hano pueblo near, on East Mesa
19: 610, 615.

mention of 21: 84.

İsfanälgi, use of the term 42: 120.

Ish, John, killing of 19: 77.

Ishtpani, a totemic division of the
Chickasaw 42: 120.

Ish-ta-sun-de, divisions of the 15:
162.

Ishtehotohpih, last Chickasaw
"king" 44: 214.

Ishtohoollo, holy men 42: 423.

Ishtohoollo Aba Eloa, the god of
thunder 42: 485, 486.

Isidore, *Father* —, *See* Ricklin.

İ'sium-itä'niuw', a Cheyenne divi-
sion 14: 1025.

Iskagua, change of name by 19: 69.

Isla Tiburon. *See* Tiburon Island.

Island of the Marquis, same as Lower
California 14: 351.

Islands, James, information obtained
from 42: 503, 568.

Islands

formation of 30: 221.

mythic, origin of 11: 264.

Two, string figure of 38: § 658.

Yukon 46: 126.

Islas Patos, San Esteban, Tassne, and
Turner, features of 17: 49.

Isle de Pierre, sketch of 14: 734.

Isle of Pines, cacimbas of 34: 256 sq.

Isleta

contemporary relations of 47: 204.

Coronado's visit to 14: 492.

description of 47: 208 sqq.

early history of 47: 203 sq.

Indian name of 47: 208.

Mexican name for 47: 208.

name of Cibola at 14: 517.

population of 7: 123.

visit to 22, i: 18.

Isleta, Tex., population of 7: 123.

Isleta Indians

color scheme of 29: 42.

conception of sun and moon by 29:
46.

language of the 29: 37.

name for earth 29: 52.

secretiveness of 47: 201.

visit of, to Washington 34: 28.

Isleta Pueblo, Act of Congress affect-
ing 18: 922.

Isolated Hoⁿ'-ga Gens 36: 61, 102.

Isolation

loss of speech by 1: 278.

of the Point Barrow Eskimo 9: 26.

of the Seri 17: 130*-134*, 154* sq.

- Isopete.** *See* **Ysopete.**
- Ispa**
Indian settlement visited by Coronado 14: 585.
See also **Arispa.**
- Ispahihtca**
head chief 42: 331.
information furnished by 42: 53, 185, 225, 281.
- Ispocoga**, compact of, with Shawnee 42: 507 sq.
- Is-po-co-gee**, **Mic-co**, mention of 42: 66.
- Ispokogi**
interpretation of the name 42: 307.
name of Red towns 42: 250.
plates brought by, from Source of Life 42: 509.
supernatural beings 42: 65 sq.
See also **Ispocoga.**
- Ispokogi Miko.** *See* **Is-po-co-gee**, **Mic-co**; **Spoke-Oak Micco.**
- Ispokogis**, laws and regulations traced to 42: 547.
- Issa**, De Soto's visit to 19: 28.
- Issati**, identification of, with Santee 15: 190.
- Is-tau-nul-gee**, identified as Isfanälgi 42: 120.
- Isthmian (Archeological) Section** 12: 523.
- Isti Ätcagägi.** *See* **Beloved Men.**
- Ita**
archaic language of 23: xv.
ethnologic study of 23: xv.
- Ita Eskimo.** *See* **Eskimo Ita.**
- Itaba.** *See* **Ytaua.**
- Itachee** land cessions and reservations 18: 782.
- Itägü'nähí.** *See* **Ax, John.**
- Itahatski**, Hidatsa name of the Sioux 14: 1057.
- Italians**
modern, signs of 1: 285, 305.
Omaha name for 27: 612.
Tewa name for 29: 574.
- Italy**, petroglyphs in 10: 178.
- Itamaraca**, rock of, Brazil 10: 151 sq.
- Itanik** 46: 208.
- Itäsupuzi**, Hidatsa name of the Cheyenne 14: 1023.
- Itaziplo**, a Teton division 14: 1059.
- Itcha, Obānga Dance.** *See* **Women's Dance.**
- Itci Yahola**
dance of 42: 566 sq.
dress of 42: 566.
- Itco Hadjo Miko**
chief of the Upper towns 42: 330.
second chief 42: 331.
- Ite, *Mauritia flexuosa***
a source of salt 38: § 250.
bark as loin-cloth 38: § 541.
drink 38: § 269.
fruit of, eaten 38: § 247.
flour sifter 38: § 408.
hammock 38: § 463, 477.
head ring 38: § 530.
leaf baskets 38: § 453.
nidus for gru-gru worm 38: § 224.
sail 38: § 797.
sandals 38: § 553.
sign of water 38: § 254.
string figure of 38: § 694.
starch from 38: § 233.
thatch of 38: § 320.
twine bands of 38: § 57-63.
- Ite-balli, *Vochisia tetraphylla***
budding of, a sign of wet 38: § 938.
timber of, for boats 38: § 794.
- Ite Tree**
flour made from 30: 122, 233.
fruit of 30: 206, 342.
man formed from 30: 145.
nature of 30: 285.
spirits associated with 30: 228, 232 sq.
- Itikatah Festival**, origin of 18: 494-497.
- Itiriti, *Ischorosiphon***
for basketry 38: § 100, 101.
for head ring 38: § 530.
leaves for waterproofing 38: § 115, 795.
- Ititaujang** 6: 615-618.
- Itivimiut**, Eskimo tribe, situation of 6: 463.
- Itkû'dliñ**, habitat and description of 9: 49 sqq.
- Itlan**
possible derivation of 16: 245.
See also **Malli-nalli.**
- Itscheabiné**, on Assiniboin division 15: 161.

- It'sépcho**
 joining the order of 23: 416.
 order of 23: 412.
- Ittege River** 46: 127.
- Iturbi, Juan**, expedition of 17: 56.
- Itzamna**
 a Maya deity 16: 242, 251.
 elements of the term 16: 225.
- Itzas**, aquatic burial of 1: 180.
- Itzcuintli** day symbol, discussion of 16: 239.
- Iu-dsé-ṭa**, a division of the Osage tribe 36: 45.
- Ives, Lieut. J. C.**
 on the habitat of the Chemehuevi 7: 110.
 on Yuma-Pima battle 26: 47.
 references to 28: 208, 209.
- Ivory**
 adze 46: 135.
 carving by Eskimo 11: 260; 18: 196 *sq.*; 46: 210.
 dolls made of 46: 78.
 Eskimo house fittings of 18: 250.
 Eskimo implements and utensils made of 18: 66-69, 73-79, 82 *sq.*, 88-94, 98, 100-111, 114 *sq.*, 126-195, 323.
 Eskimo musical instruments made of 18: 350, 351, 353.
 Eskimo ornaments made of 18: 274 *sq.*, 280-284.
 Eskimo tobacco implements made of 18: 274 *sq.*, 280-284.
 Eskimo toys made of 18: 341-347.
 Eskimo transportation apparatus made of 18: 208 *sq.*, 214, 217, 219, 222, 223, 226, 227.
 fossil, culture, specimens of 46: 87, 202, 210, 211, 362, 363, 366.
 fossil, implements of 46: 144, 146, 170, 173, 175.
 fossil, trade in 46: 87, 88, 89, 91, 92, 93, 173.
 fossil, utilization of 46: 84.
 implements, Bonasila 46: 135, 142, 144.
 points 46: 144, 146, 170, 173.
 points, Bonasila 46: 60.
 spears at Burchell's 46: 46.
 tools used by Eskimo in working 18: 80 *sq.*
 walrus, carved 46: 117, 121.
 working of, by Eskimo 46: 84, 87.
- Ivy, A. A.**, on Cherokee schools 19: 155.
- Iwa**, story of 33: 660 *sq.*
- Ix** day symbol, discussion of 16: 248.
- Ixcheblyax**, a Zapotec goddess 16: 255.
- Ixchel**, a Maya deity 16: 251.
- Ixil**
 method of forming numbers above ten 19: 904 *sq.*
 number names of 19: 862.
- Ixtlilxochitl**, on early migrations of Toltec 19: 676.
- Iya**, description of 11: 471.
- Īyāpā'tā'a'**
 the god of the dead 40: 358, 359.
See also Aiyāpā'tā'a'.
- Iztapalapa, Mexico**, ruins at 26: XIV.
- Izze-kloth**
 analogues of 9: 558.
 of the Apache 9: 550-558.
- J**
- Jacal**
 construction in Casa Blanca 16: 108.
 construction in Pueblo region 16: 163.
 structures 13: 237.
- Jacales**
 references to 28: 187, 209.
 Seri, characters and construction of 17: 221*-224*.
 Seri, location of 17: 148* *sq.*
- Jacalteca**
 method of forming numbers above ten 19: 905.
 number names of 19: 863.
- Jack**, —, aid given to Dr. J. W. Fewkes by 22, i: 39, 52.
- Jack, Patrick**, grant of land to 5: 145; 18: 629.
- Jack, Col. Samuel**, expedition under 19: 50.
- Jack-in-the-Pulpit**
 mention of 33: 69.
 use of 44: 287, 360.
See also Arisaema triphyllum.
- Jack Mountain, Pa.**, Indian quarry at 42: 760.
- Jack Rabbit**
 description of 26: 82.

- Jack Rabbit**—Continued
 European game, Tewa, Tigua 24: 798.
 sores caused by 26: 263.
 story about the 43: 377-381; 47: 78.
See also Hare; Rabbit.
- Jackal**, myth concerning 19: 453.
- Jacker**, *Very Rev. Edward*, on disuse of signs 1: 325.
- Jackes**, *Mr. and Mrs. S. W.*, acknowledgment to 40: 12.
- Jackson**, *Gen. Andrew*
 address of, to Cherokee 19: 122.
 advice to Cherokee 5: 258.
 attack on Creeks at Talladega by 19: 91.
 attitude of, toward Cherokee 19: 117, 119.
 commissioner for Cherokee treaty 5: 209, 212, 215, 216.
 defeat of Creeks at Horseshoe Bend by 19: 93-96.
 determination of, for Cherokee removal 19: 123, 140, 159.
 election of, as President 19: 117.
 Houston's relations with 19: 223.
 Junaluska's saying about 19: 164.
 method of, for compelling Cherokee removal 5: 297.
 on decision in *Worcester v. Georgia* 5: 266.
 proclamation of, against crossing Sabine River 19: 143.
 protest of, against Cherokee boundary of 1816 5: 206.
 refusal of, to approve Cherokee treaty of 1834 5: 252.
 relief of Turkeytown by order of 19: 90.
 remark of, concerning Supreme Court decision 19: 120.
 reply to Cherokee protests against New Echota treaty by 19: 126.
 retreat from Emukfaw Creek by 19: 92.
 treaty signed by 19: 103.
 urges Cherokee to remove 5: 273.
- Jackson**, *A. H.*
 agent for Pima 26: 34.
 on railroad casualties among Pima 26: 59.
- Jackson**, *B. F.*, mound on land of, Arkansas 12: 222.
- Jackson**, *E. S.*, collection presented by 42: 19.
- Jackson**, *H. H.*, cited on Nez Percé war 14: 714.
- Jackson**, *John*, mounds on farm of, Tennessee 12: 395, 396.
- Jackson**, *John Early*, toy bowl found by 41: 548.
- Jackson**, *Miss Leslie*, collection purchased from 41: 72.
- Jackson**, *Maj. R. C.*
 acknowledgments to 19: 13.
 on assassination of John Walker 19: 121.
- Jackson**, *Richard*, appointed minister of Shaker church 14: 758.
- Jackson**, *Dr. Sheldon*
 collection made by 41: 72.
 Indian vase of 4: 357.
 mention of 46: 227.
- Jackson**, *Victor*, accident to 26: 65.
- Jackson**, *William H.*
 cited 33: 164, 193, 197.
 cliff ruins described by 16: 80, 81.
 fireplace of Echo cave described by 8: 168.
 on pottery 4: 287, 318, 319.
 on ruins of the San Juan 8: 147.
 photographs by 8: 147.
- Jackson County**, *N. C.*
 Cherokee use of clay from 20: 53.
 Indian relics from 3: 434-437.
- Jackson Lake**, mound on island in 12: 286.
- Jackstraw**, *Game of*
 played by the 24:
 Eskimo 729 sq.
 Eskimo, Western 729 sq.
 Haida 730.
- Jacob**, *Henry*, Seneca informant 32: 52.
- Jacobs**, *David*, flint on farm of 44: 525.
- Jacobs**, *Melville*, reference to 41: 383.
- Jacob's Ladder** 33: 71.
- "Jacobs," The**, steamer 46: 39, 55.
- Jacob's Well**, description of 17: 546.
- Jacobsen**, *F.*
 material collected by 24: 196, 249, 558.
 on ring and pin, Clayoquot 24: 558.
- Jacobsen**, *P.*, mention of 46: 369.

Jacobsen, Captain Samuel

material collected by 24: 199, 208,
299, 301, 319, 717, 718, 719, 748,
749, 761.

on name of bean-shooter, Opitche-
saht 24: 761.

on name of top, Hesquiaht 24: 748.

on name of top, Nootka 24: 789.

shuttlecock terms furnished by 24:
719.

Jacobson, —, acknowledgments to
25: 18, 97.

Jacona, Mendoza's letter from 14:
551.

Jacques Family, mention of 43: 176.

Jade

black, reference to 29: 581.

Eskimo hunting implements made
of 18: 172.

Kobuk 46: 173.

Kobuk, adzes 46: 88.

lamp made of 46: 99.

Jadeite

axes, etc. made of 46: 145, 146,
319, 362, 363.

Eskimo ornaments made of 18:
47, 49.

pendant of 34: 75.

Jagging for fish 38: § 193.

Jaguar

basketry design 38: § 444.

quarry stolen by Indians 38: § 215.

range of the 2: 142.

skin of, aprons 38: § 550.

skins of, belts 38: § 543.

skin of, pouches 38: § 388.

**Jahresbericht über die Fortschritte
der Agrikulturchemie** on popu-
lar synonym for wild rice 19:
1024.

Jakwina, farm of, at Sikyatki 17:
640.

Jamaica

antiquities of 34: 257.

archeological reconnaissance of 25:
xxvi.

cave burials in 34: 61.

collection from 19: xxix.

cultural relations of 34: 61.

field work in 21: ix, x.

mortuary customs in 25: 71.

number of specimens from 34: 49.

pictography in 25: 148.

Jamaica—Continued

skeletal remains in 25: 29 sq.

slavery in 25: 25.

James I., charters granted by 18:
529, 550 sq., 563.

James, Edwin

acknowledgments to 11: 501.

cited on Indian beliefs 11: 372.

cited on Indian sacrifices 9: 529.

on Omaha divisions 15: 161.

on the term Chancers 15: 162.

quoted on Indian beliefs 11: 509,
516.

James, George Wharton

acknowledgment to 19: 980.

on dice game, Havasupai 24: 200.

James, William

elected elder of Shaker church
14: 758.

land presented to Shaker church
by 14: 758.

James Fork of White River, treaty
of 18: 724.

James Long's Exploration, quoted
4: 151.

James River Valley

character of pottery of 20: 148,
149.

occurrence of Southwestern ware
in 20: 148.

shop-sites in 15: 72.

Jamestown Exposition

human remains on site of 26: xx sq.

reference to 29: 10.

Smithsonian exhibit at 28: 10.

Jamestown Weed. *See* **Datura.**

Jamieson, Zachariah, authority for
tale of "Wild Cat and White
Rabbit." 2: 110.

Jamison, Mary, Iroquois account of
bewitchment of 2: 72.

Ja'ŋa'te, an Omaha village 13: 270.

Janipabas Gum. *See* **Protium Ca-
rana.**

Janney, S. M., cited on the Quakers
14: 937, 938.

January, Hopi festival in 21: 21.

Japan

dolmens in 1: 115.

petroglyphs in 10: 185 sq.

shuttle from 18: 192.

wild rice in 19: 1037.

Japanese

- bows of the 14: 281.
- letter-writing of the 10: 368.
- mnemonic devices of the 10: 226.
- mourning colors of the 10: 631.
- resemblance of British Columbia Indians to 46: 33, 36.

Japanese Objects in Alaska 46: 34.

Japii, a branch of the Waiwai 38: § 550.

Jar-fly in Cherokee lore 19: 308.

Jar-shaped Baskets 41: 204.

Jaramillo, Juan

- on Pecos 29: 475.
 - on Quivira 29: 475.
 - on Taos 29: 183.
 - on "Tucayan" 17: 595.
 - on visit of Quivira 14: 396.
 - translation of narrative of 14: 584.
- Jargon**, establishment of, between tribes 7: 7.

Jarrett, Patton, mound on farm of, Georgia 12: 314.

Jars

- collection of Indian paint 3: 573.
 - from Pueblo ruins in Arizona, features of 22, i: 61, 181.
 - from Pueblo ruins in Arizona, figures showing 22, i: 67, 181.
 - of large size, use of, for storage 8: 210.
 - use of, in chimney construction 8: 180.
 - wide-mouthed bottles or 4: 398-411.
- See also* **Bottles; Pottery; Water Jars**; etc.

Jarvis, —, selection of reserve by 18: 822, 831.

Jasper, Ohio, mounds near 44: 498 sq.

Jasper

- aboriginal quarries of 15: 23.
- development of implements from 15: 144.
- how adapted for implement-making 15: 84.
- implements of, discussion of 15: 89.
- ornament of, Casa Grande 28: 131.
- quarries, location of 15: 78.
- source of, for implements 15: 73, 140.
- Tewa name for 29: 582.

Jasper—Continued

- transportation of, by floods 15: 22.
- use of, for implement-making 15: 24, 29, 135.

See also **Chert**, varieties of.

Jatan, identification of 17: 167.

Jatonabinè, an Assiniboin division 15: 161.

Jatropha Urens, medicinal use of 42: 670.

Jaundice, remedy used for 42: 667.

Java, symbolic colors of the cardinal points in 10: 625.

Javanese

- mythic bird of the 16: 220.
- mythic monsters of the 16: 214.

Javelin-spearing Hoop, a Pomo game 24: 479.

Jaw, Navaho gesticulation with the 21: 88.

Jaw, Lower. *See* **Lower Jaw**.

Jawbone, string figure of 38: § 678, 679.

Jay

- beliefs concerning 11: 273.
- myth concerning 19: 284, 466 sqq.

Jay Kiva. *See* **Teosobi**.

Jeaga, reference to dress of 42: 681.

Jealousy

- among the Creeks 42: 370.
- among the Kwakiutl 35: 1261, 1377.
- among the Kwakiutl, lack of 35: 640.

Jeançon, J. A.

- acknowledgment to 29: 38.
- appointment of 41: 44.
- collections made by 41: 15, 20, 43.
- ghost story told to 29: 246.
- on Black Mesa 29: 224.
- on Chipünuinge 29: 121, 122.
- on Fe-se-re 29: 152.
- on Kuninge 29: 153 sq.
- on Nambé Pueblo 29: 361.
- on San Lorenzo settlement 29: 129.
- on stone shrines 29: 249.
- on Te-e-uing-ge 29: 154.
- on Tewaī 29: 253.
- on Whapige 29: 291.
- work of 41: 39.

Jebu, messages of complaint 10: 374 sq.

Jecker & Co., survey attempted by 17: 99.

Jeditoh

group of ruins 8: 52, 53.

Valley, ruins in 17: 581, 589, 592.

Jefferson, —, collection made by order of 42: 791.

Jefferson, Silas

information from 42: 529, 585, 621, 624.

Tuskegee informant 42: 216.

Jefferson, Thomas

cited 12: 673.

on removal of Cherokee 5: 202, 203.

vocabulary taken by 43: 214.

Jefferson, Pres. Thomas

encouragement of westward emigration by 19: 101, 102, 113.

interest of, in ethnology 48: 1187.

Lewis and Clark expedition planned by 48: 1187.

on attempted establishment of iron works in Cherokee country in 1807 19: 86.

on burial mound in Virginia 19: 20 sq.

on liquor traffic among Indians 27: 618.

suggestions to Cherokee by 19: 113.

Jefferson County, Mo.

flint in 44: 533.

pottery from 20: 89.

Jefferson County, Tenn., collection of Indian relics from 3: 463-468.

Jeffery, Map of, reference to 27: 80.

Jeffreys, —, on Mobilian trade language 19: 187.

Jefferys, Thomas

on Acoma 29: 543, 544.

on Chilili 29: 531.

on Galisteo 29: 482.

on Isleta 29: 529.

on Jacona 29: 330.

on Oto habitat 15: 195.

on Patoqua 29: 398.

on Pecos 29: 476.

on Picuris 29: 193.

on Puaray 29: 523.

on Winnebago habitat 15: 196.

Jemez

home of Hano clan 19: 614.

oven-opening, description of 8: 165.

population of 7: 123.

pueblo, home of Kokop clan 19: 604.

Jemez Indians

conception of falling stars by 29: 49.

conception of sun and moon by 29: 46.

data on 29: 403.

language of 29: 37, 42.

location of, in 1692 29: 405.

month names of 29: 62, 63-66.

names applied to 29: 399.

name of, for cloud 29: 54.

name of, for earth 29: 52.

name of, for Milky Way 29: 51.

name of, for Tewa 29: 576.

relations of, with Pecos 29: 477 sq.

researches concerning 11: xxx.

Jemez Katcinas, reference to 47: 1057.

Jemez Plateau, antiquities of, bulletin on 28: 17.

Jemez Plateau Region, survey of 27: 10.

Jemez Pueblo

act of Congress affecting 18: 920.

collection from 2: 417, 452.

mention of 2: 433.

visit of Mrs. Stevenson to 29: xvii sq.

See also Hemes; Jemez.

Jenkes, Col. C. W., on partial cremation 1: 150.

Jenks, Dr. Albert Ernest

Bureau methods applied by, in the Philippines 23: xxxii.

contributor to Bureau 48: 1189.

editorial work of 23: xliii.

investigation of birch-bark industry by 23: xiii, xxxi.

memoir by 19: lii sqq.; 23: xiii, xxxi.

office work of 22, i: xxi sq.

quoted on rice gathering 37: 116, 117.

study of wild rice of 21: xix, xx.

Wild Rice Gatherers of Upper Lakes by 19: 1013-1137.

work of 24: xxi.

Jenman, G. S., on occlusion of vision 30: 299.

Jenness, Dr. Diamond

mention of 46: 96, 115, 117, 118, 166, 174, 197, 210, 228, 229, 230, 231, 333, 355, 363, 369.

work of, in Alaska 46: 32, 94.

Jenney, W. P., flint quarry reported by 13: xxvii.

- Jerked Beef**, how prepared 14: 1066.
Jerking Meat, process of 27: 344.
Jerome, Ariz., references to 28: 194, 195.
Jerome Junction, Ariz., references to 28: 203, 204.
Jeronimo de Santisteban, letter of, to Mendoza 14: 412.
Jerusalem Artichoke
 mention of 33: 131.
 use of 44: 289, 307, 319.
Jerusalem Oak, use of 45: 502, 503.
Jesakid
 class of shamans, relative importance of 7: 156.
 curing disease 10: 254.
 practice of 7: 157 sq., 251-255.
Jessan. *See* Tsěsa'ni.
Jessup, Henry C., on wild rice in New Hampshire 19: 1031.
Jesuit Fathers, writings of 30: 20.
Jesuit Missionaries, Hopi's desire for 26: 28.
Jesuit Relations, abstracts from 14: XLIII.
Jesuits
 advent in Sonora by 17: 57.
 as chroniclers of Indian data 19: 1113.
 expulsion from Sonora of 17: 77.
 influence on Seri of 17: 70, 72.
 knowledge of Seri possessed by 17: 76, 79.
 records of Seri by 17: 77 sqq.
 work of, among the Cherokee 19: 36 sq.
Jesus, Maria de, story of 47: 310.
Jetan
 a synonym of the Comanche 14: 1043.
 identification of 17: 167.
Jetté, Father Jules, mention of 46: 31, 61, 62.
Jettipehika, site of old Patki pueblo 19: 597.
Jeu de Mains
 hand game of 24:
 Chipewyan 272.
 Kutchin 272.
 Okinagan 300.
Jeu des Pailles, stick game, Hurons 24: 241 sqq.
- Jewett, L.**, British vase from the work of 3: 399.
Jewett's Wakash Vocabulary, reference to 7: 129.
Jewish Encyclopaedia on meaning of Cabala 19: 826.
Jewitt, L., on turtlebacks as sling-stones 13: 139.
Jews
 peace towns among 19: 207.
 Tewa name for 29: 574.
Jicaque de Yoro, Honduras, method of forming numbers 19: 915.
Jicaque del Palmar, Honduras, method of forming numbers 19: 915.
Jicarilla
 absence of Ghost dance among 14: 805.
 at battle of Adobe 17: 316.
 Kiowa hostility to 17: 165.
 myths of 19: 229, 431, 433, 443, 450, 451, 452, 473.
 study of language of 19: xxvi.
 work among the 19: xv sq.
Jicarilla Apache Indians
 collection from the 2: 417.
 dance of the 29: 109.
 fiesta in Lower Chama Valley 29: 156.
 habitat of the 29: 108.
 land cessions and reservations 18: 868, 872, 886, 902, 916, 922, 924.
 paints of the 29: 175, 354.
 population of the 7: 56.
 rations received by 29: 138.
 references to 29: 574, 582.
 represented in population of Nambé 29: 360.
 rivers personified by 29: 102.
 sacred rivers of 29: 84.
 Tewa name for 29: 574.
 See also Apache, Jicarilla.
Jigger
 of Eskimo fishing tackle 9: 282, 283.
 See also Chigoe.
Jijirri, edible palm fruit 38: § 247.
Jimenez, Don Eusebio, mounds excavated by 34: 247.
Jimeson, Zachariah, Seneca informant 32: 52.
Jimsonweed in Cherokee lore 19: 426.

- Jivaro Indians**, vomiting among the 30: 295.
- Jiviros**, number names of 19: 877.
- Joan of Arc**
and Smohalla, comparison of 14: 719.
hallucination of, compared with Ghost dance doctrine 14: 932.
- Joanna Bald**, myth concerning 19: 407.
- Joara**. *See* **Xuala**.
- Job's Tears** in Cherokee lore 19: 420.
- Jochelson, Prof. Waldemar**
mention of 46: 165, 339, 369.
work of, in Alaska and northeastern Asia 46: 30, 32.
- Jocko Reserve**
establishment of 18: 810.
Indians on 14: 805.
removal of Flathead to 18: 858.
tribes on 45: 324 sq.
- Joe-pye-weed**
use of 44: 289.
See also **Eupatorium Maculatum**.
- Johannsen, W.** 46: 369.
- John, Andrew**
informant 21: 137.
Iroquois account of bewitchment of 2: 72.
on hoop and dart, Seneca 24: 477.
on snow-snake, Seneca 24: 412.
work of 25: xxi; 26: xxviii.
- John (Sagamore)**, invitation to settlement by 18: 603.
- John Day Indians**
a Tûkspû'sh synonym 14: 743.
present habitat of 14: 805.
- John Day Rivers**, a Tûkspû'sh synonym 14: 743.
- John Son Mounds**, location of 37: 99.
- Johnny-John, Abraham**, Seneca informant 32: 52.
- Johnson, Governor** —
census of Cherokee compiled by 19: 34.
on Indian civilized government 19: 113.
- Johnson, C. M.**, agent for Pima 26: 34.
- Johnson, G. B.**, mounds on land of, Tennessee 12: 364.
- Johnson, G. K.**, pottery donated by 10: xxi.
- Johnson, G. P.**, killed at Wounded Knee 14: 872.
- Johnson, H. J.**, reference to 29: 292.
- Johnson, John**
name applied to Wovoka 14: 765.
See also **Porter-Johnson Episode**.
- Johnson, J. L.**, mounds on land of, Tennessee 12: 379.
- Johnson, Robert**, Indian census in South Carolina in 1715 by 5: 142.
- Johnson, Sir Nathaniel**, report on South Carolina's Indian affairs by 18: 632.
- Johnson, Sir William**
appointment of, as Indian commissioner 18: 555.
arrangement of peace between Iroquois and Cherokee by 19: 38, 352.
Indian council called by 14: 18.
instructions to 18: 557.
instructions to Gorrell from 14: 17.
life of 19: 202 sq.
on English and Colonial Indian policy 18: 554, 581 sqq.
on wampum belts 4: 86, 87.
treaty with Cherokees 7: 78.
- Johnson, W. D.**
acknowledgments to 17: 20.
aid rendered by 17: XL-XLIV, 14, 15.
- Johnson, Willard D.**, pictographs reported by 10: 77.
- Johnson Canyon**
buildings in 33: 165.
description of 33: 164.
- Johnson's Ranch**, reference to 28: 210.
- Johnston, —**, study of ruins discovered by 19: xiv.
- Johnston, Adam**, on cremation myth 1: 144.
- Johnston, Capt. A. R.**
account of Casa Grande by 28: 44, 64 sq.
on building materials used in Pueblo Viejo 22, i: 177.
on honesty of Pima 26: 198.
on San Felipe 29: 500.
visit of, to Casa Grande 13: 297.
visit of, to the Pima 7: 98.
- Johnston, Gen. A. S.**, commissioner to Cherokee 19: 145.

Johnston, William

financial relations to Cherokee Indians 5: 315.

seizure of East Cherokee land by 19: 173 sq.

Johnston's Journal, value of 26: 30.

Joint Rush 33: 63.

Jokes, Eskimo fondness for 18: 308 sq.

Joking of the spruce gatherers 47: 322 sq.

Joking Relationship

indications of 47: 478.

of the Creek Indians 42: 168.

of the Fox Indians 40: 340, 344.

of the Winnebago 37: 174.

See also Relationship.

Jolly, John

Cherokee chief 19: 136 sq.

Houston's relation with 19: 222 sq.

Jolly's Island, cession of 18: 696.

Jomard, M., on Grave Creek tablet 12: 632.

Jonah, parallel to 30: 244 sq.

Jones, —

on Cherokee refugees in Florida 19: 53.

on De Luna's expedition 19: 201.

on De Soto's route 19: 193, 195, 197, 198.

on Jack's expedition 19: 50.

on petroglyphs at Track Rock Gap 19: 418.

on Spanish mines 19: 201, 202.

on Williamson's expedition 19: 50.

Jones, Dr. Charles C.

acknowledgment to 20: 16.

archeology of the southern section described by 12: 590, 593.

cited 12: 649, 665, 673, 675, 688, 689, 698, 721; 42: 740.

description of Etowah mounds by 12: 294.

description of shell pins by 2: 215.

description of shell vessels by 2: 196.

description of stone disks by 2: 277.

mention of shell gorgets by 2: 287, 293, 296.

on Indian pipes 5: 93.

on method of piercing shell 13: 165.

on Natchez burial 1: 169.

on perforated stones 13: 98.

on pictographs 4: 22, 23.

Jones, Dr. Charles C.—Continued

on plummets in Georgia 13: 112.

on pottery 4: 367.

on pottery decoration by inlaying 20: 67.

on South Appalachian burial pottery 20: 133.

on South Appalachian decoration 20: 131.

on southern Indian medicine tubes 13: 127.

on stone graves of Tennessee 1: 114.

on stone sinkers 13: 97.

on use of bird ornaments by conjurers 13: 126.

on use of crescent-shaped arrowpoints 13: 168.

on use of cupped stones 13: 92.

vessels donated by 10: xxi.

work of, regarding southern antiquities, mention of 12: 294.

Jones, D. G., land-treaty witness 14: 29.

Jones, Rev. Evan

alleged founder of Pin Society 5: 325.

appropriation for 5: 339.

admission of, to Cherokee citizenship 19: 150.

missionary among Cherokee 19: 108.

payment to 19: 150.

translation of New Testament by 19: 108.

Wafford's study under 19: 238.

work of N. J. Smith for 19: 178.

Jones, George, opinion of, allusion to 12: 599.

Jones, H., sale of land to 18: 662.

Jones, H. P.

Kiowa interpreter 17: 206, 265, 332.

on Kiowa council in 1868 17: 161.

Jones, Mrs. J. A., Onondaga manuscript of 6: xxxi.

Jones, John B.

admission of, to Cherokee citizenship 19: 150.

organization of Ketoowah society by 19: 225.

preparation of school books by 19: 151.

warned to leave Cherokee lands 5: 324.

Jones, Dr. Joseph

- cited 12: 599, 691.
- description of shell disk by 2: 276.
- description of shell gorget by 2: 297.
- description of shell spoons by 2: 201.
- description of shell vessel by 2: 196.
- examination of Selsertown mound on behalf of 12: 266.
- image vase figured by 41: 588.
- notices earthwork in which are stone graves and hut rings 12: 577.
- on mound builders 5: 83.
- on sacrificial basin in Tennessee 20: 36.
- on use of trowel-like implements 20: 36.
- publication by 4: 367.
- work of, on Middle Mississippi Valley pottery 20: 87.

Jones, L. R., on wild rice in Vermont 19: 1032.

Jones, Prof. Marcus E.

- on pottery of Utah 4: 292.
- on wild rice in Nebraska 19: 1031.

Jones, Rev. Peter

- juggler lodge described by 14: 146.
- on birch-bark winnowing fan 19: 1071.
- on dice game, Missisauga 24: 80.
- on double ball, Missisauga 24: 654.
- on Menomini love powders 14: 153.
- on Ojibwa gathering wild rice 19: 1063.
- on Ojibwa love charm or powder 7: 258.
- on Ojibwa medicine-men 7: 162.
- on Ojibwa witchcraft beliefs 7: 237; 14: 143.
- on racket, Missisauga 24: 562, 569.
- on reputed power of medicine-bag 14: 262.
- on ring and pin, Missisauga 24: 538.
- on running races, Missisauga 24: 803.
- on snow-snake, Missisauga 24: 405.
- on the Menomini Wabeno 14: 152.
- on threshing wild rice by treading 19: 1071.

Jones, P. M., archeological work done by 44: 67.

Jones, R., commissioner to examine Cherokee feuds 5: 301.

Jones, Strahan, mention of 46: 128, 150.

Jones, Dr. William

acknowledgments to 28: 225; 29: 12.

aid rendered by 17: LIII.

collaboration of, in synopsis of Indian languages 23: xxxiv.

information furnished by 24: 407, 408, 542.

Kickapoo texts of 28: 258.

legend told by 19: 489.

linguistic researches of 23: xiv.

material collected by 24: 61, 63, 68, 86, 340, 342, 402, 403, 407, 408, 534, 542, 565, 567, 572, 573, 608, 621, 651, 655, 735.

myths gathered by 34: 15, 16.

on dice games, Chippewa 24: 61 sq., 63 sq.

on double ball, Chippewa 24: 651.

on double ball, Sauk and Foxes 24: 655.

on Fox, Sauk, Kickapoo, Ojibwa forms 28: 239.

on hidden ball, Chippewa 24: 342.

on hidden ball, Sauk and Foxes 24: 345.

on hoop and pole, Chippewa 24: 446.

on popgun, Sauk and Foxes 24: 758.

on racket, Chippewa 24: 567.

on racket, Sauk and Foxes 24: 572, 573.

on relationship of Ojibwa, Ottawa, Potawatomi 28: 262.

on ring and pin, Chippewa 24: 534.

on shinny, Sauk and Foxes 24: 622.

on snow-snake, Chippewa 24: 402.

on stick games, Sauk and Foxes 24: 229, 232.

on tops, Sauk and Foxes 24: 735.

quoted on the Fox Indians 37: 281 sq.

reference to analysis of Algonquian 28: 236.

references to 28: 259; 40: 28, 71, 501, 546.

translation of 40: 27.

work of 24: xxiii; 26: xxi.

- Jones, W. A.**, on Cherokee emigration plans 19: 156.
- Jones, Capt. William A.**, discussion of petroglyphs in Wyoming by 4: 24, 227, 244.
- Jones, W. Davenport**, mound on land of, North Carolina 5: 66 *sqq.*; 12: 338.
- Jones'** Antiquities of the Southern Indians quoted 4: 22, 23, 47.
- Jones Mound, N. C.**, modern vessel from 20: 144.
- Jonesville, Va.**, trail from 42: 795.
- Jordan, Dr. David Starr**, on fish of Gila 26: 83.
- Jordan's Ranch**, ruins at and near 28: 195, 198 *sq.*
- Jorio, The Canon Andrea de**, works of, on sign language 1: 289.
- Jorisz, Adrian**, settlement by 18: 576.
- Jose, Juan**, Maricopa chief 26: 21.
- Joseph, Chief**
 a Menomini genealogy of 14: 58.
 and the Nez Percé war 14: 711.
 mention of 46: 44.
 of Cayuse blood 14: 744.
 Pima head chief 26: 196.
 refusal of, to recognize treaty 14: 754.
 war led by 45: 372.
- Joseph, Judge Anthony**
 on inhumation of Taos Indians 1: 101.
 on Taos 29: 181.
- Joseph, Antonio**, on Taos 29: 164-168.
- Joseph, Nathan**, collection of obsidian blades obtained through 22, i: xxxix.
- Josephine.** *See* Dzhōseqkwaio.
- Josephus**, description of Wovoka's inspiration by 14: 772.
- Josette**, genealogy of 14: 57.
- Journal of American Folk-Lore**, paper in, on survivals of ancient Indian symbolism 20: 101.
- Journeys**
 Eskimo 46: 145.
 Omaha preparations for 3: 275.
- Joutel, Henri**
 an authority on the Caddo 42: 680.
- Joutel, Henri—Continued**
 Kwapa village located by 15: 193.
 on Indian sugar making 20: 31.
 on Indian use of mats 13: 20.
 on pottery drums of Southern Indians 20: 34.
 on the location of certain Quapaw villages 7: 113.
 on unclassified games 24: 781.
- Jouvenceau, —**
 on Isleta 29: 528.
 on Jemez 29: 401.
 on Laguna 29: 540.
 on Nambé Pueblo 29: 359.
 on Picuris 29: 192.
 on Pojoaque 29: 335.
 on San Felipe 29: 499.
 on San Ildefonso 29: 304.
 on San Juan 29: 212.
 on Sandia 29: 525.
 on Santa Clara 29: 241.
 on Santo Domingo 29: 448.
 on Taos 29: 180.
 on Tesuque 29: 387.
- Joy, J. F.**, purchase of land by 18: 848.
- Joy, James F.**, contract for Cherokee neutral lands by 5: 340, 350.
- Joy**, signs for 1: 300.
- Joyce, T. A.**, theory of, concerning stone collars 34: 207.
- Juada.** *See* Xuala.
- Juan Aleman**
 name given to Pueblo Indian 14: 495.
 treachery of 14: 498.
- Juan Rodrigues, Isla de**, Spanish name for San Miguel 14: 411.
- Juan de la Asuncion**, Franciscan friar in New Spain 14: 353.
- Juan de la Cruz**, death of, at Tiguex 14: 401, 535.
- Juana**, Queen of Spain 14: 477.
- Juana Maria**
 clan symbol of 17: 165.
 information furnished by 17: 123, 270, 281.
 portrait of 17: 150.
- Juarebo.** *See* Yuhubo.
- Judas Tree**, medicinal use of 42: 665.

- Judd, J. S.**, aid rendered by 17: XL.
Judd, James S., acknowledgment to 17: 527.
Judd, Neil M.
 bulletins by 43: 16; 44: 15.
 collections made by 37: 30; 41: 19, 43.
 mention of 47: 6.
 work of 36: 24 *sqq.*; 37: 24 *sqq.*; 39: 22; 40: 13 *sq.*; 41: 12; 45: 12; 47: 10 *sq.*
Judgment, discussion of 19: LVI *sq.*
Judicial Procedure, absence of 35: 1359.
Judith Basin Reserve
 discontinuance of 18: 880.
 establishment of 18: 864.
Juego de Pastor. *See* Pastor.
Juego del Cuaco, a Mexican game 24: 668.
Juegos de Bola 25: 42, 79, 81-85, 110.
Juez de Residencia, functions of 14: 474.
Jugglers
 among Algonquian tribes 14: 62.
 mystic power of 14: 104, 139.
 of the Menomini 14: 66, 97, 138-151.
 power of 42: 615, 616.
 treatment by, of the sick 44: 322.
Jugglery
 among Ojibwa Indians 7: 276 *sq.*
 among Siouan tribes 11: 416, 499, 512.
 compensation for 14: 149.
 description of, by Carver 14: 112.
 fear inspired by 46: 528.
 in savagery 16: 21.
 lodge of the Menomini 14: 146 *sq.*, 255.
 mystic origin of 14: 93.
 of the Fire society 47: 114 *sqq.*
 practice of, by the Winnebago 14: 110.
 remarkable acts of, among Zuñi 23: 566 *sq.*
 See also Magic; Sorcery.
Juglandaceae 33: 74.
Juglans Cinerea, use of 44: 290, 369.
Juglans Nigra 33: 74.
- Jugs**
 clay, of fanciful forms, from Zuñi 2: 349.
 collection of Indian water 3: 538-543.
Jukes, J. B., description of New Ireland labrets by 3: 86, 99.
Jumano, study of the 15: XXIX, LII.
Jump-line 35: 141, 142.
Jumper, four-eye fish. *See* Kassaroa.
Jumpers, account of the 14: 939.
Jumping over corpse 38: § 864.
Jumping-Toad, a Zuñi game 24: 721.
Junaluska
 East Cherokee chief 19: 164 *sq.*
 part taken by, in Creek war 19: 97.
Juncos, Fernandez, on Porto Rican folklore 25: 20.
Juneau
 a Tlingit town 26: 397.
 clans of 26: 412.
 Indians 46: 33.
 location of 26: 412.
 Museum 46: 30, 33, 167.
 ornate stone lamp 46: 34, 55.
Juneberries
 mention of 33: 87.
 use of, by Chippewa 44: 321.
Juniper
 splinters, ceremony with 23: 504.
 use of 41: 145; 44: 290; 45: 474, 494.
 use of, in Tusayan ceremony 15: 280, 283.
 See also Colorado Juniper.
Juniper Mountains, reference to 28: 204.
Juniperus Communis
 mention of 45: 474, 494, 505.
 use of 44: 290.
Juniperus Scopulorum 45: 465, 498, 512.
Juniperus Virginiana
 mention of 33: 63; 45: 500.
 use of 44: 290, 362, 369, 377.
Jupiltepeque, number names of 19: 881.
Jurupari, "Devil" dance; applied also to the bark trumpets used thereat 38: § 558.

Jus Primae Noctis

claimed by Indian medicine-men 9: 461.

See also **Right of the First Night**.

Justice

corporations of advancement of 20: LXXVI.

elements of 20: LXXIX.

principles of 15: CXI, CXIII; 20: LXXIX-LXXXIV.

sign for 1: 302.

Jutaculla. *See* **Tsul'kälû'.**

Jutaculla Old Fields, myths concerning 19: 407, 476, 479.

Jutiapa, number names of 19: 881, 931.

Jutz, Father John

at Wounded Knee 14: 872, 878.

interview with 14: 874.

Sioux conference effected by 14: 867.

Juxtaposition in language 1: 3.

K**K'aäsä'nte**

in hostilities of 1874 17: 204.

in raid against Navaho 17: 345.

stealing ponies of 17: 200.

Ka-ati-wertz-ama-na

portrait of 17: 195.

reference to 17: 445.

Kabew'iride, office of 47: 258 sq.

Kabina Society

functions of 47: 107.

now extinct 47: 107.

Kabukalli, *Goupia glabra*, for boats 38: § 794.

Kabyle, trephining practiced by the 16: 16, 17, 18, 19, 40.

K'acals Society

extinction of 47: 97.

functions of 47: 97.

Kachimba Ruin, description of 17: 589.

Kachina Basket Dance, description of 47: 314.

Kachina Chambers, number of 47: 30.

Kachina Chief

office of 47: 265.

See also **Katcina Chief**.

Kachina Cult

account of 47: 69-75.

affinities of 47: 141.

Kachina Cult—Continued

clearest example of 47: 81.

expressed by rain-making function 47: 81.

importance of 47: 125.

See also **Katcina Cult**; **K'atsinas**.

Kachina Organization

account of 47: 70 sq.

initiation into, of children 47: 71-75, 135.

See also **Katcinas**; **K'atsinas**.

Kack!a'lk!, Tlingit mythological being 26: 460, 465.

Kâ'ck!e Qoan, Tlingit clan

history of the 26: 413.

phratry and tribe of 26: 400.

standing of 26: 408.

Kadiak notice of direction 4: 150.

Kadiak Island, maskette from 3: 128.

Kadlu the Thunderer 6: 600.

K'adô. *See* **Sun-dance**.

K'adôgyä''to, why so called 17: 277.

Kādohädä'cho

a Caddo synonym 14: 1029.

account of the 14: 1093.

early encountered by the French 14: 1094.

Kādūwok-kēdi, Krause's name for Łuqā'xadū 26: 413.

Kae, description of 21: 98.

Kaékibi, an ancient pueblo 8: 30.

Kâemâ-â

advocate of temperance 26: 170.

elected chief at Gila Crossing 26: 63.

record kept by 26: 18, 64, 66.

Kaētiba, home of Asa clan 19: 610.

Kaffir burial 1: 126.

Kâgiätsé. *See* **Políakya**.

Kaguyak 46: 186.

Kâ'gwantân, Tlingit clan

affinity of 26: 410.

crests of 26: 415, 420, 431.

hero Kâts! claimed by 26: 455.

history of 26: 412 sqq.

names of 26: 421, 422.

phratry and tribe of 26: 399, 400.

social rank of 26: 427.

Kahakuikamoana 33: 634.

Kahalaopuna 33: 656.

Kahiki 33: 298, 299, 634, 635, 643, 645, 648.

- Kahlispelm**, a synonym of Pend d'Oreille 14: 731.
- Kâ'hluëlane** of Zuñi mythology 13: 408.
- Kahmiltpa**
a Qamîl-'lëma synonym 14: 736, 738.
See also **Yakima**; and others.
- Kahwea**
land cessions and reservations 18: 788.
See also **Cahwia**; **Mission Indians**; **Tule River Reserve**.
- Kai Pomo**, habitat of 7: 88.
- Kâ'iahu**
East Cherokee chief 19: 173.
myth told by 19: 439.
- Kaiaks**
discussion of 18: 218-222.
Eskimo skill in using 18: 222.
of the Eskimo 9: 328-335.
tools used in making 18: 85.
toy 18: 347.
use of waterproof garments in 18: 37.
winter storage of 18: 244.
See also **Kayak**.
- Kaialigamut**
bladder feast at 18: 391 *sq.*
description of 18: 250.
hospitality of people of 18: 297.
implements and utensils from 18: 69, 72, 95 *sqq.*, 104, 143, 148, 167.
ornaments from 18: 53 *sqq.*
physical characteristics of 18: 27.
tobacco implements from 18: 273, 277.
toys from 18: 344.
transportation apparatus from 18: 227.
- Kaialigamut Eskimo**, range of 18: 26.
- Kai-appa**, drinking party for work to be done 38: § 228, 277.
- Kaiawas**; **Kaiowan**; **Kaí-ó-was**; **Kaiowé**, Kiowa synonyms 17: 148.
- Kaibab Indians**, *Arizona*
name 4: 171.
personal names of 10: 444.
- Kaibabit** myth 1: 28.
- Kaibisaka**. *See* **Tamuchi**.
- Kaieteur Fall**, legend of 30: 237.
- Kaigani**
divisions of the 7: 121.
See also **Haida**.
- Kâ'igwũ**
a Kiowa division 14: 1079.
proper name of the Kiowa 14: 1078.
- Kailtas**. *See* **Tleiding**.
- Kain** 46: 130.
- Kaiowa Indians**
emblem of the 10: 613.
gourd pictograph by 10: 208 *sq.*
symbol 4: 145.
mention of 4: 135.
tribal designation of 10: 384.
tribal signs for 1: 470.
See also **Kiowa**.
- Kaiowe**
habitat of 7: 109.
See also **Kiowan Family**.
- Kaiowē Language**, researches of A. S. Gatschet respecting 6: xxxiv, xxxv.
- Kaipalaoa** 33: 319, 327, 647.
- Kairau**, edible grasshopper 38: § 223.
- Ka-irrkinkinyan**, leaf basket 38: § 453.
- Kairuni**, bush hog 38: § 166.
- Kaisale**
derivation of 21: 125.
description of 21: 120.
- Kaisale Mana**
derivation of 21: 125.
description of 21: 120.
resemblance of, to Zuñi maid 21: 120.
- Kâ'itseñ'ko** or **Kâ'itséñko**
a Kiowa military order 14: 989; 17: 230, 284.
death song of 17: 329.
initiation into 17: 287, 320.
paraphernalia of 17: 297.
- Kaituri**, town chief of the Laguna colony 47: 355.
- Kaiuh-Slough**
mention of 46: 54.
ornate lamp from 46: 34, 55.
- Kai-wă**, a Kiowa synonym 14: 1078.
- Kaí-wa**; **Kai-wané**, Kiowa synonyms 17: 148.
- Kaiwâika**. *See* **Laguna**.
- Kaiyuh-Khotana** 46: 130.
- Kai-yuh-Kho-tâna**, population of 7: 56.

- Kajava, Y.** 46: 308, 369.
- Kak** symbol in Maya hieroglyphs 16: 218.
- Kaka**, Makusi foot races 38: § 591.
- Kâkâ**
 abode of the 17: 404.
 explanation of the 13: 375.
 of the Zuñi 13: 366.
 origin of the 13: 401.
See also **Koko**.
- Kâkâkwe**, Zuñi dance dramatists 13: 327.
- Kakapti**, Antelope priest, dress of 19: 985.
- Kakaralli**, *Lecythis zebucajo*
 sapucaya nut, for cigarette paper 38: § 283.
 sapucaya nut, for loin cloth 38: § 547.
- K'ak'chi** methods of forming numbers above ten 19: 901 sqq.
- Take**, *Tlingit town*
 clans 26: 410.
 mention of 26: 397.
- Take**, *Tlingit tribe*
 clans and house groups of 26: 401.
 history of 26: 410.
 mention of 26: 396.
 phratries and clans of 26: 399.
- Kakē'q'ute**, Tlingit hero 26: 413, 418.
- Kâk-lō** of Zuñi mythology 5: 544, 547.
- Kaku**, Pima medicine man 26: 38.
- Kakuene**, myth of 14: 205.
- Kakuli**. *See* **Wood-ant**.
- Kalaehina** 33: 652.
- Kalaepuni** 33: 651.
- Kalakwai**, Hopi clan chief, reference to 19: 579.
- Kâ'lanû**. *See* **Houston, Samuel**.
- Kalapooian Family** 7: 81 sq.
- Kalapooian Stock**, Calapooya tribe 24: 283.
- Kalapuya Indians**, study of, by Dr. Leo J. Frachtenberg 36: 20 sq.
- Kalapuya Language**, work on 39: 20 sq.
- Kalapuya Material**, revision of, by Dr. Leo J. Frachtenberg 37: 17.
- Kalektaka**
 ceremony of 21: 23, 25, 26.
 name of Warrior society among Pakab clans 19: 609.
- Kalektaka**—Continued
 peculiarity in dress of 1: 65.
 religious society at Walpi, source of 19: 623, 630.
- Kalelealuaka** 33: 643.
- Kalia**, classic design wrought by 41: 300 sq.
- Kaliukluk** 46: 194.
- Kalinya**. *See* **Carib**.
- Kalispel Tribe**
 basketry of 41: 141, 154, 155.
 characteristics of 45: 325.
 country occupied by 45: 308 sq., 312 sq.
 dialect of 45: 303.
 divisions of 45: 312 sq.
 Indian names for 45: 296, 297, 299.
 intercourse of, with other tribes 45: 323.
 list of chiefs of 45: 377.
 location of 45: 37.
 name of, in sign language 45: 145.
 origin of the name 45: 296.
 population of, about 1805 45: 314.
 present day population of 45: 315.
 theory of origin of 45: 321.
 wars of, with Coeur d'Alêne 45: 121.
- Kalispelines**, a synonym of **Pend d'Oreille** 14: 731.
- Kalispelusses**, a synonym of the **Pend d'Oreille** 14: 731.
- Kalm**, —
 mention of 46: 218.
 quoted on use of roots of rushes by Indians 9: 520, 521.
- Kalm, Peter**
 mention of shell knives by 2: 202.
 on Indian weaving 13: 22.
 on pottery making in eastern United States 20: 59 sq.
 on shell money 2: 238.
 on shell pendants 2: 257.
- Kalmia Polifolia** 45: 465.
- K'!álmōdēlanaga** 35: 733.
- Kalniak** 46: 188.
- Kalopaling** 6: 620, 621.
- Kalosh Indians**, *Alaska*
 box burial of the 1: 156.
 graves of the 10: 524.
- Kaltag (Khaltag)**
 burials of 46: 55.
 changes of site of 46: 59.
 Eskimoid features of 46: 55, 56.

- Kaltag (Khaltag)**—Continued
 mention of 46: 54, 131, 132, 133, 136, 139.
 remains of 46: 81.
- Kamahualele** 33: 635.
- Kamai'ākau**, a Yakima war chief 14: 722, 737.
- Kamai-yo**, cone-base basket 38: § 424.
- Kâ'mâl Tkâk**
 age of 26: 196.
 artifacts made by 26: 106, 148.
 names of months furnished by 26: 36.
 on Elder Brother's home 26: 225.
 on Pima villages on Gila 26: 20.
 on treatment of disease 26: 265 sq.
 sketch of 26: 17.
 songs by 26: 272, 331.
See also Thin Leather.
- Kamapuaa** 33: 301, 338, 622, 644, 658.
- Kâ'matûk Mountain**
 Apache-Pima fight at 26: 44.
 in Pima song 26: 296, 329.
See also Sierra Estrella.
- Kâ'matûk Wu'tcâ**, Pima village 26: 23.
- Kamloops**, a trading point 41: 157.
- Kamuatta**, bamboo flute 38: § 561.
- Kâmûk Wutcâ Â-âtam.** *See Gila Crossing.*
- Kan**
 or Apache gods 9: 581 sq.
 symbol, discussion of 16: 215, 226, 242.
- Kana** 33: 296, 305, 316, 645.
- Kanab**, pottery from 4: 281, 287, 310, 314.
- Kanaheāwastsîk**, Cree name of the Cheyenne 14: 1023.
- Kanaima**
 evil done by 30: 346 sq., 348, 354 sq.
 explanation of 30: 354 sq.
 forms of 30: 354, 356.
 origin of 30: 355.
 recognition of 30: 356, 361.
 tree of same name, properties of 30: 354.
See also Vengeance.
- Kanakanak**
 crania 46: 251, 252.
 mention of 46: 251, 252.
- Kānakûk**
 account of 14: 666, 692.
 adherents to doctrine of 14: 902.
 end of 14: 700.
- Kanaloa** 33: 300, 303, 305, 306, 618, 634, 636, 643.
- Kanan.** *See Kan.*
- Kāna'sta**, myth concerning 19: 341 sq., 480.
- Kanatak** 46: 188.
- Kana'tî**, myths concerning 19: 242-249, 262, 264, 280, 431-435, 441, 464.
- K'anats.** *See Kaneatche.*
- Kanawha, W. Va.**, petroglyphs at 10: 34.
- Kanawha Falls, W. Va.**, trail to 42: 753.
- Kanawha River**
 ancient settlements on 42: 754 sq.
 junction of trails at 42: 756 sq.
 petroglyphs on, West Virginia 10: 125.
 pictographs on 4: 22.
 trail along 42: 749.
 visited by George Washington 42: 754.
- Kanawha Valley, W. Va.**
 explorations in 5: xx, xxi, 51, 53, 57.
 flint in 44: 513 sq.
- Kancab**, definition of 16: 256.
- Kane, —.**
 on Nisqualli myths 19: 472.
 on Wallawalla myths 19: 448.
- Kane, Elisha Kent**
 description of Eskimo dog harness by 9: 359.
 description of Eskimo kaiak by 9: 334.
 on Eskimo frocks 9: 118.
 on Eskimo harpoons 9: 222, 243.
 works consulted 9: 23.
- Kane, Paul**
 linguistic literature of 7: 19.
 on four-stick game, Clackama 24: 328.
 on hand game, Chinook 24: 281 sq.
 on hoop and pole, Colville 24: 457.
 on racket, Chinook 24: 573.
 on scratching by Indians 9: 491.
 on stick game, Clallam 24: 249.
- Kane**, the Hawaiian god 33: 303, 305, 306, 618, 634, 636, 642, 643.

Kaneatche, a Ute chief 17: 324.

Kanel

meaning of 16: 235.

See also **Canel**.

Kane-yapong, knobbed spool 38: § 466.

Kangivamiut Eskimo Tribe, situation of 6: 463.

Kangoot Eskimo 46: 224.

Kaniagmiut

Eskimo, mention of 46: 218.

maskette 3: 128, 129.

Kaninahoic, Ojibwa name of the Arapaho 14: 953.

Kanināvish, Ojibwa name of the Arapaho 14: 953.

Kankakee Potawatomi land cessions and reservations 18: 738.

Kankin

definition of 16: 261.

symbol in Maya codices 16: 241.

Kanontewanteta, mother of Williams 14: 24.

Kansa River, reference to 27: 81.

Kansa or Kaw Tribe

a Čegiha division 15: 162.

beliefs of, in future life 11: 421.

cults of, description of 11: 371, 415.

divisions of 37: 181.

draft animals among the 15: 174.

early history of the 15: 193.

general account of 40: 40, 66 *sq.*

gens in several tribes 27: 38, 66, 67.

gentile organization of the 15: 230.

Ghost dance among the 14: 902.

Kwapa incorporated by the 15: 195.

land cessions and reservations 18: 708, 778, 822, 856, 876, 886, 898.

linguistic classification of 27: 605.

lodges of the 13: 270.

meaning of the term lost 27: 40.

mention of 7: 113.

name of the Comanche 14: 1043.

name of the Sioux 14: 1057.

population of the 7: 118; 15: 193.

reference to 27: 169.

relation of, to other tribes 27: 35, 37 *sq.*

removal of, to Indian territory 5: 360.

researches concerning 11: xxxii.

secret society among 6: 396.

tribal organization of 27: 141.

Kansa or Kaw Tribe—Continued

See also **Kansas Tribe**; **Kaw**; and names of gentes and other divisions.

Kansas

Castañeda's description of 14: 528.

Kiowa raid in 17: 335.

location of Quivira in 14: 397, 591.

military posts in 17: 383.

origin of the name 27: 169.

petroglyphs in 10: 80 *sq.*

See also **Quivira**.

Kansas City Review, article on salt-making pottery in 20: 31.

Kansas Gens

of the Omaha 3: 241 *sq.*

of the Omaha, subgentes of 3: 241.

of the Omaha, taboo of 3: 241.

Kansas River, crossing of, by Coronado 14: 397.

Kansas Tribe

data on dances of 40: 548.

fasting among 40: 546.

Omaha name for 27: 101.

See also **Kansa**; **Kaw**.

Kanta Roots, prepared for food 42: 404.

Kantálálgi

a Creek clan 42: 116, 119.

affiliations of 42: 121.

Kan-teati

allocation of clans in beds at 42: 201-204.

arrangement of square ground of 42: 206-209.

clan councils of 42: 123.

clans of, furnishing chiefs and henihas 42: 192.

clans, phratries and moieties of 42: 158 *sq.*

position of beds at 42: 198.

Upper Creek White town 42: 123, 254.

Ka'ntsi, Caddo name of Kiowa Apache 14: 1081.

Kántsi; **K'á-pätóp**, Kiowa Apache synonyms 17: 245.

Kanze. *See* **Kansa**.

Kaolin

cup from Chaves Pass, cut showing 22, i: 96.

white pigment 38: § 32.

Kaoni, double-ball game of the 24: 660 *sq.*

- Kaounadeau**, reservation at 18: 658.
Kapak, definition of 16: 262.
Kapayou
 death of 40: 27.
 reference to 40: 27.
Kapayou, George, reference to father of 40: 343.
Kapayou, Harrison, reference to 40: 43.
Kapitca Miko, burial of 42: 397.
Kápo Pueblo, speaks same language as Hano clan 19: 614.
Kapohn (Kaping). *See Akawai.*
Kappler, A., cited 30: 229, 232, 295 sq.
Kappus, M. A., a companion of Kino 17: 57.
Kapuaokaoheloai 33: 623, 656.
Kapuhonu 33: 646.
Kápung. *See Santa Clara.*
Kāq'lanuwū', Tlingit town 26: 397.
Karaka, a savanna bird with red eyes 38: § 599.
Karamanni. *See Moronobe.*
Karankawa
 information concerning 19: xvi.
 number names of 19: 877.
 vocabulary obtained 10: xvii.
 vocabulary, work on 29: 14.
Karankawan Family 7: 82 sq.
Karari, knapsack 38: § 450.
Karatas. *See Kuraua.*
Karatuk 46: 203.
Kariarou. *See Bignonia.*
Kariru, name for dog 38: § 717.
Karkundego, Menomini treaty commissioner 14: 21.
Karluk 46: 186.
Karok, burial superstition of the 1: 200.
Karon
 genealogy of 14: 56.
See also Carron.
Karraymaunee's Village, location of 37: 51.
Karry-man-nee, Menomini treaty signer 14: 28.
Karutana, Arawak stock, on the Içana 38: § 342.
Kasaan
 Haida town, clans 26: 412.
 Haida town, derivation of name 26: 408, 409.
 made a national monument 41: 49.
Kasaan—Continued
 plans regarding 41: 79.
 preservation of, urged 41: 26.
See also Old Kasaan.
Kashanak 46: 189.
Kashevaroff, A. P. 46: 31, 33, 34.
Kashigaluk 46: 193.
Kashim
 clothing worn at 18: 287.
 construction of 18: 245 sq., 285.
 customs relating to 18: 285-288.
 introduction of children into 18: 286.
 mention of 46: 171, 172, 182.
 "Thirty-two" village 46: 70, 71, 72, 82, 170.
 types of 18: 249 sq.
Kashiri. *See Cassiri.*
Kashunok; Kashunuk
 crania 46: 194.
 mention of 46: 194.
Kasian. *See Kasaan.*
Kasi'hta, town square of 41: 511.
Kasihta
 a Lower Creek White town 42: 125, 254.
 allocation of clans in beds at 42: 201-204.
 and Chickasaw, friendship of 42: 51.
 and Coweta, medicine divided by 42: 546.
 arrangement of square ground of 42: 225 sq., 265, 266, 267, 268.
 belief of, concerning busk 42: 546.
 busk ceremonial of 42: 603 sq.
 ceremonial title of 42: 307, 614.
 clan councils of 42: 125.
 clans of, furnishing chiefs and henihās 42: 193, 194.
 clans, phratries and moieties of 42: 160.
 distinguished from Coweta 42: 38.
 history of 42: 56-63.
 legend derived from 42: 33-38.
 legendary association of, with Coweta 42: 261, 262.
 legendary origin of 42: 50.
 legendary origin of the name 42: 54.
 Muskogee element represented by 42: 40.
 one of four leading towns 42: 548.
 position of beds at 42: 198.

- Kasihta**—Continued
 priority claim of 42: 310.
 relations of, with Chickasaw 44: 176.
 review of line of migration of 42: 38 sq.
 separation of, from Coweta 42: 546.
 separation of, into two parts 42: 261.
 square of, described by Hawkins 42: 183.
 the oldest town 42: 262.
 united with Apalachicola 42: 38.
See also **Cush-eh-tah Clan**.
- Kasihta Yahola**, information furnished by 42: 69, 108, 192.
- Kasi'spä**, a Pälus village 14: 735.
- Kaskaias**, identification of 17: 168, 246.
- Kaskaskia** land cessions and reservations 18: 652, 654 sqq., 662 sqq., 692, 742, 794, 842 sqq.
- Kaskaskias**
 early habitat of 7: 113.
 population of, in 1764 19: 1108.
- Kaskinampos** trading at St. Augustine 42: 510.
- Kasq'ague'di**, *Tlingit* clan
 affinity of 26: 423.
 crests of 26: 416, 417.
 history of 26: 411 sq.
 names used by 26: 421.
 phratry and tribe of 26: 399.
 standing of 26: 408.
- Kassapa-aring**, barbed composite arrow for turtle 38: § 140.
- Kassovo**. *See* **Casson**.
- Kastaxē'xda-ān**, *Tlingit* town 26: 397, 409.
- Kastel Pomo**, habitat of 7: 88.
- K'at** day symbol, discussion of 16: 226.
- K'at'a**, division of the Kiowa 17: 228.
- Katába Indians** 3: xxii.
- Katagwa'di**, *Tlingit* clan
 crests of 26: 416.
 history of 26: 409, 412 sq.
 names of 26: 422.
 phratry and tribe of 26: 400
- Kataka**, name of Kiowa Apache 14: 1081.
- Ka-ta-ka**, a Kiowa Apache synonym 17: 245.
- Katak Waltu**, *Tlingit* clan at 26: 413 sq.
- Katâlsta**, a Cherokee potter 20: 56.
- Katâl'sta**, last Cherokee potter 19: 164.
- Katâlsta, Ewi**, a Cherokee potter 20: 56.
- Katapolitani**, Arawak stock, on the River Cana 38: § 124, 342.
- Katchinkihu**
 description of 8: 121, 123.
 Mashongnavi mungkiva 8: 127.
 occurrence of, in ruined kiva near Sikyatki 8: 117.
 Shupaulovi kiva 8: 126.
- Katci**
 a Hopi folklorist 17: 637.
 Antelope priest, description of 19: 984.
 farm of, at Sikyatki 17: 641.
 Kokop chief, on original home of Kokop 19: 604.
- Katcina**
 ancient, among the Hopi 21: 17.
 ancient, importance of, in classifying katecinas 21: 18.
 application of the term 15: ci, 251, 264, 265.
 beings not called 21: 118-121.
 celebration of return of the 21: 31.
 cult in Tusayan 17: 625, 633.
 cults from New Mexican pueblos at Walpi, unique origin of 19: 630 sq.
 definition of 17: 661, 732; 21: 16, 44, 45.
 figures on Hopi pottery 17: 624, 658, 665.
 Hopi 21: 17, 18.
 Hopi, legendary home of 22, i: 144.
 Hopi, symbols of, on masks 22, i: 143.
 Hopi, work on 22, i: xvi sq.
 illustrated report on 23: xxvi, xlili.
 nature of 21: 15, 16.
 Navaho, appearance of, among Hopi 21: 17.
 Navaho, description of pictures of 21: 97, 98.
 Navaho, personation of, by Hopis 21: 97.

Katcina—Continued

Navaho, use of disk in dress of 21: 88.

number of, known by Hopi 21: 17, 59.

or Añwuci clan, migrations and census of 19: 607, 608.

people, departure of, from Oraibi for eastern Tusayan villages 8: 26, 27.

previous description of 15: 264.

return of, ceremony of 15: 373.

return of, in Powamû 21: 36.

selection of, to be painted 21: 14.

times of appearance of 21: 16, 17.

Tusayan, memoir on 15: c, 245-313.

variation of, in Great Serpent exhibition 21: 49, 50.

See also **Katcinas; Masked Dances; Tacab Katcinas.**

Katcina Chief

functions of 47: 876.

power of 47: 875.

selection of 47: 875.

See also **Kachina Chief.**

Katcina Clan

advent of, at Walpi 19: 585.

Ahûl the returning sun of 21: 65, 122.

ancients of 21: 57, 70.

celebration of return of ancients of 21: 16, 22.

census of 19: 620 *sqq.*

description of 21: 110.

display of war-god image belonging to 21: 25, 26.

habitation of Kicyuba by 21: 70.

Hopi katcinas derived from 21: 125.

migration of 19: 606.

Powamû festival at Walpi controlled by chief of 21: 31.

Katcina Cult

discussion of 47: 516-521.

fundamental traits of 47: 901 *sq.*

Parson's theory concerning 47: 903.

See also **Kachina Cult; K'atsinas.**

Katcina Dances

as rain-making rites 47: 517.

description of 47: 495, 519 *sqq.*

distribution of 47: 899-903.

Katcina Fathers, appearance of, in Hopi festivals 21: 56.

Katcina Fraternity, ceremonies celebrated by 21: 23.

Katcina Groups, component clans of 19: 584.

Katcina Kiva of Oraibi 8: 135.

Katcina Mana

description of 21: 70.

participation in Powamû festival by 21: 67.

Katcina Priests

cult of 47: 521-525.

distinguished from katcinas 47: 879.

impersonators of 47: 880.

masks of 47: 879 *sq.*

Katcina Society

divisions of 47: 518.

functions of 47: 875.

growth of activities of 47: 843.

initiation into 47: 478, 518.

membership in 47: 517 *sq.*, 876.

organization of 47: 874-885.

source and census of 19: 623.

See also **Kachina Organization.**

Katcinaba, home of Katcina clan 19: 607.

Katcinas

association of, with the dead 47: 844.

ceremonies of 47: 909, 920, 924, 934, 941, 943, 950, 961, 968, 970, 981, 986, 989, 994, 1003, 1007, 1009, 1011, 1013, 1017, 1025, 1035, 1077, 1080, 1081, 1083.

identification of, with the dead 47: 516 *sq.*

impersonation of 47: 517.

Laguna conception of 47: 844.

list of, Zuñi 47: 905-908.

myths concerning 47: 922, 925, 938, 984, 986, 991, 1003, 1013, 1015, 1020, 1026, 1028, 1032, 1036, 1040, 1042, 1048, 1051, 1058, 1078.

nature of 47: 843-847.

origin of 47: 844, 846.

personality traits of 47: 521 *sq.*

punishment inflicted by 47: 846.

use of the word 47: 516.

See also **Kachina Cult; Katcina; K'atsinas.**

Kate, Dr. H. F. C. ten. *See* **ten Kate.**

Kathlamet

- dictionary, work on 26: xxii.
- published texts of 23: xxxvi.
- researches among the 16: LXV.
- texts, work on 22, i: xxxii.

Katiana, at headwaters of the Paragua River 38: § 940.

K'atic. *See* **K'at**.

Katishan, of *Wrangell*

- acknowledgment to 26: 400.
- on destiny of the wicked 26: 461.
- on first settlers of Sitka 26: 409.
- on intermarriage of clans 26: 424.
- on Raven as Tlingit deity 26: 454.
- on spirits of Tlingit conception 26: 452, 465.
- on time of piercing labrets 26: 434.
- on Tlingit clans and phratries 26: 407.
- on Tlingit crests 26: 415 *sqq.*, 457.
- on Tlingit mortuary customs 26: 430.
- on Tlingit names 26: 408 *sqq.*, 413.

Kat-la-wot-sett Bands 7: 134.

Katmai 46: 187.

Kato Pomo, habitat of 7: 88.

K'a-t'ogya, death of 17: 294.

Käts!, Tlingit mythological hero 26: 455.

K'atsinas, *Acoma*

- account of 47: 69 *sq.*
- affected by irrigation 47: 58.
- becoming obsolete 47: 58.
- characterization of 47: 75-81.
- impersonation of 47: 69, 94 *sq.*
- importance of 47: 64, 69.
- list of 47: 75-81.
- purpose of 47: 81.
- the spirit rain makers 47: 64.

See also **Kachina Organization**;
Katcinas; **Masks**.

Kattekas, a Kiowa Apache synonym 17: 245.

Katun

- a Mayan term, definition of 22, i: 273 *sq.*
- Mayan working table of 19: 819.
- numerical value of 22, i: 204, 234.
- symbol, discovery concerning, by Goodman 19: 712.
- symbols for, features of 22, i: 222, 223, 268.
- symbols for, figures showing 22, i: 268.

Katydid, myth concerning 19: 311, 463.

Kau, description of 21: 101.

Kauder, **Christian**, works of, in Micmac language 10: 667-670.

Kaulanipokii 33: 305, 306, 622, 659.

Kaulu 33: 638.

Kaululaau 33: 661.

Kaulu-ngai, hammock frame 38: § 465.

Kaus or Kwokwoos tribe of Hale 7: 89.

Kâûtei Pai, exploit of 26: 41.

Kau-uri, Arawak general name for any shoulder basket 38: § 412, 418, 420.

Kauvuya

formation of number names in 19: 879.

number names of 19: 868, 876, 879, 923, 929.

Kauwiki 33: 339, 635.

Kavague, aquatic burial of 1: 180.

Kâ'vi Vâ'namam, account of 26: 81.

Kaviagmiut. *See* **Eskimo**, *Western*.

Kaviagmut

language, contrast between Unalit and 18: 25.

range of 18: 26.

Kaviak Peninsula Eskimo

mention of 46: 227.

physical characteristics of 18: 28, 29.

Kavliugnak 46: 142.

Kaw

habitat of 7: 116.

Omaha name for the 27: 101.

relations of, with Osage 36: 45, 46.

settlement of, on Cherokee Strip 19: 151.

See also **Kansa**; **Kansas**, *tribe*.

Kawa, seed cases strung for bells, rattle strings, etc. 38: § 574, 590, 591.

Kawai, chewing tobacco 38: § 284.

Kawaigi, a White town 42: 254.

Kawaika

application of the name 17: 622.

colony in Tusayan 16: 306, 310.

home of Asa clan 19: 610.

pottery from 17: 622.

ruins at 17: 590.

- Kawas; Kayaguas**, Kiowa synonyms 17: 148.
- Kawas**
regard for, in Hako ceremony 22, ii: 74, 302.
See also **Eagle, brown; Feathered Stem, blue.**
- Kawaunuiola** 33: 663.
- Kaw-a-wāh** 1: 142.
- Kawchodinne**
games of the 24:
dice games 92.
hand game 272.
ring and pin 543.
- Kawela** 33: 620, 641.
- Kawia**
division of labor among the 26: 153.
games of the 24:
dice games 165.
hand game 310.
See also **Cahwia; Kahwea.**
- Kawikoli**
association of Sumaikoli masks with that of 21: 55, 96.
derivation of 21: 125.
description of 21: 96.
personation of, at Zuñi 21: 96.
- Kawinahau**, an Arapaho division 14: 957.
- Kaw-kaw-say-kaw**, Menomini treaty signer 14: 28.
- Kaw-nee-shaw**, Menomini treaty signer 14: 28.
- Ka'woltūk' Wutca**, Pima village 26: 23.
- Kawta**, ashes from bark of, mixed with clay for pottery 38: § 90.
- Kaxe'nonba**
in battle with Sioux 27: 100 *sq.*
reference to 27: 99, 496.
- Kaxqoyê'ndua**, Tlingit mythological monster 26: 402, 417.
- Kayab** symbol, use of 16: 206.
- Kayā'ckidêtān**, *Tlingit clan*
affinities of 26: 411.
names used by 26: 421.
phratry and tribe of 26: 399.
- Kayak**
construction of 6: 486-489.
influence of, on the Eskimo 46: 359.
See also **Kaiaks.**
- Kayakshulik** 46: 208.
- K'ayä'ñte**, medicine stick of 17: 301.
- Kayayak** 46: 187.
- Kâyemäshi** of Zuñi mythology 13: 366, 410.
- Kayoderossa's Purchase**, history of 18: 582.
- Kayuse**, a Cayuse synonym 14: 743.
- Kchemnito**, in Menomini mythology 14: 207.
- Ke Clan**, census of 19: 618, 622.
- Kealedji**
allocation of clans in beds at 42: 201-204.
arrangement of square ground of 42: 219 *sq.*, 251, 252.
at Tukabahchee busk 42: 559, 568.
clan councils of 42: 125.
clans of, furnishing chiefs and henihās 42: 192, 194.
clans, phratries and moieties of 42: 159 *sq.*
plan of ceremonial ground of 42: 220, 253.
position of beds at 42: 198.
Upper Creek Red town 42: 125, 255.
- Keam, Thomas V.**
acknowledgment to 14: 655.
aid by 7: xxix.
burial cist excavated by 16: 101.
excavation by, at Kawaika 17: 622.
idols removed and returned by 17: 619.
material collected by 24: 346, 258, 457.
mortuary pottery collected at Shumopavi by 22, i: 69 *note*, 113 *note*.
on ceremonial use of colors by Moki Indians 10: 623.
on Cohonimo Ghost dance 14: 813.
on hidden ball, Hopi 24: 358.
pottery collection of 4: 293, 296, 321, 330, 336, 348, 355.
rock drawings reported by 10: 50.
Tusayan products collected by 6: XLIX.
- Keam Collection**, pottery in 28: 139.
- Keam's Canyon, Ariz.**
ideographic petroglyphs in 10: 604, 605.

- Keam's Canyon, Ariz.**—Continued
 Navaho dance at 5: 432, 442.
 ruins in 17: 581.
 rock drawings in 10: 50.
 site of old Puñci 19: 614.
 same as Puñci 19: 604.
- Keane, A(ugustus) H.**
 linguistic literature of the "Tegua"
 or "Taywaugh" 7: 122.
 mention of 46: 331, 332, 333, 344,
 354, 370.
- Kearney, General** —
 California invaded by 26: 30.
 conquest of New Mexico by 17:
 502.
 expedition of 28: 63.
- Keating, P.** 46: 65.
- Keating, William H.**
 on burial scaffolds 1: 162.
 on burial superstitions 1: 199.
 on influence of wild rice on geographic
 nomenclature 19: 1122.
 on popular synonyms for wild rice
 19: 1023.
 on wild rice in water system of Red
 River of the North 19: 1035.
- Keaweikekahialii** 33: 653.
- Kebbey, F. C.**, witness to Casa Grande
 contract 15: 334, 335.
- Kebbey, J. H.**, affidavit of 15: 335.
- Keca**
 appearance of, in Soyaluña 21: 25.
 description of 21: 78.
 personation of, in Powamû 21: 32.
- Keché**
 number names of 19: 869, 870.
 San Diego, members of 19: 930.
 San Luis, members of 19: 930.
- Kechi**, formation of number names in
 19: 879, 895-899.
- Keechies**, a synonym of the Kichai
 14: 1095.
- Keefe, H. L.**, acknowledgment to
 27: 642.
- Keeka**, snakes handled by 42: 645 sq.
- Keelessechuppo**, Broken Arrow chief
 42: 322.
- Keener, Rev. Ulrich**, preacher among
 the Cherokee 19: 165.
- Keep, Rev. J. R.**, on syntax of sign
 language 1: 360.
- Keeper of the Fireplace**, ceremony of
 the 36: 139 sq.
- Keepers**
 account of the 27: 595.
 emoluments of the 27: 212 sq.
 reference to 27: 205, 598.
 "Keeping the Ghost" 1: 160.
- Keeps-his-Name-always**, *See* **Date-
 tekañ.**
- Keewawnay's Band**
 cession of reserve by 18: 758.
 reservation for 18: 740.
- Kegisse**, Menomini treaty signer 14:
 28.
- Keheli**, cassava in the process of manu-
 facture of cassarip 38: § 248.
- Kehtipaquononk**, proper form of
 Tippecanoe 14: 684.
- Kei or Arue Islands, Oceanica**, petro-
 glyphs in 10: 167 sq.
- Keim, De B. R.**
 on Kiowa Apache 17: 248.
 on Kiowa early habitat 17: 153.
 on Set-t'aiñte 17: 209.
 on Ute-Kiowa fight of 1868 17:
 325.
- Ke'in** (subgens), (*Tha'tada*)
 account of 27: 161, 165 sqq.
 reference to 27: 162.
 rites of 27: 159.
See also **Turtle Subgens.**
- Keith, Sir Arthur**
 mention of 46: 333, 351, 370.
 on South Mountain rhyolite 15:
 74.
- Kejimkoojik Lake, Nova Scotia**
 drawings at 10: 740-749.
 inscribed rocks at 10: 38-42.
 mythic petroglyphs at 10: 468-487.
 work on pictographs at 10: XII.
- Kek**, population of 7: 87.
- Kekchi**, dice games of the 24: 141
 sqq.
- Kekeewin; Kekeenowin**, definition of
 10: 35.
- Kekelappan**, sale of land of 18: 595.
- Ke'-k'iñ Gens**
 office of 39: 93.
 place of 39: 84.
- Kekuhaupio** 33: 654.
- Kelemürywawû**, ceremonies celebrated
 in 21: 21.
- Keller, Dr. F.**, on fabrics of Swiss lake-
 dwellers 3: 404, 412, 413, 418,
 420.

- Keller, Father Ignacio Javier**
missionary labors of 26: 28.
visit of, to Casa Grande 28: 56 sq.
- Kellerman, W. E.**, on wild rice in Ohio
19: 1031.
- Kellespem**, a synonym of Pend
d'Oreille 14: 731.
- Kelley, James E.**, killed at Wounded
Knee 14: 872.
- Kellner, August**, killed at Wounded
Knee 14: 872.
- Kello, Mrs. J. R., and Miss Hattie**,
specimen presented by 36: 34.
- Kellogg, D. S.**, vessel obtained from
20: 167.
- Kelly, Fanny**
cited on Sioux medicine-men 9: 453.
quoted on Sioux games with bones
9: 486.
- Kelly, J. A.**, 46: 224.
- Kelly Farm**, flint on 44: 510 sqq.
- Kelp**
use of, in weather charm 35: 629.
with herring spawn 35: 426.
- Kelp-bottle**
for tallow 35: 431.
mention of 35: 316, 574, 657.
- Kelp-fish**
broiled dry 35: 402.
cutting of 35: 397, 403, 405.
eyes of 35: 395.
fishing for 35: 181.
gills and stomach boiled 35: 405.
mention of 35: 393-409.
roasted 35: 408.
split 35: 403.
wind-dried 35: 400.
- Kelta**, burial superstition of 1: 200.
- Keme**, description of 21: 100.
- Kenabes**, location of 43: 170.
- Kenai Peninsula**, ornate stone lamps
46: 34.
- Kendall, E. A.**
cited on Shawano 14: 673.
quoted on Shawano prophet 14:
675.
- Kendall, Frank**, account of Tavibo
by 14: 703.
- Kendall, G. W.**
on Kiowa in 1841 17: 172.
on Texan-Kiowa fight in 1841. 17:
277.
- Kenesti**, habitat of 7: 54.
- Kengla, Louis A.**
archeologic work of 15: 17.
cited on steatite quarry 15: 117.
- Ke'nikashiha Group**, Quapaw 27: 68.
- Kennan, George**, quoted on use of
roots by Siberians 9: 521.
- Kennard, John**, Hitchiti chief 42:
322.
- Kennard, Moty**, successor to Roly
McIntosh 42: 330.
- Kennard, Thomas V.**, commissioner
to appraise Indian lands 5: 363.
- Kennebec**, forms of the name, with
meanings 43: 170.
- Kennebec River**, abundance of pottery
on 20: 173.
- Kennedy, —**, expedition against Chero-
kee under, in 1788 19: 65.
- Kennedy, Maj. Frank M.**, assistance
rendered by 41: 67.
- Kennedy, John**, commissioner to treat
with Cherokee 5: 288.
- Kennicott, Maj. R.**
material collected by 24: 92, 543.
mention of 46: 128.
- Kent, M. B.**
on Indian burial customs 5: 20.
on Sac [Sauk] and Fox burial 1: 94.
- Kent Scientific Institute**, lobed
vases owned by 20: 192.
- Kentucky**
abundance of pottery in parts of
20: 80.
archeologic work in 8: xx.
butterfly gorgets from 13: 123.
celts from 13: 75, 76, 78, 79, 80,
82.
chipped celts from 13: 86.
chipped flints from 13: 145, 146,
147, 148, 149.
cist graves in 1: 114, 115.
discoidal stones from 13: 101, 102,
104, 108, 109.
distribution of stone art in 13: 62.
eastern, character of pottery of 20:
149.
explorations in 12: 279-283.
extension of Miami Valley ware into
20: 184.
gateway to 42: 798.
gorgets from 13: 119.
grooved axes from 13: 65, 67.
hemispheric stones from 13: 114.

Kentucky—Continued

- Hickman County, antiquities of
 12: 280.
 mineral springs of 42: 742.
 mounds in 5: 10, 11.
 mummies in 1: 133.
 occurrence of earthenware spoons in
 20: 44.
 pestles from 13: 88, 89.
 petroglyphs in 10: 81.
 pottery from 4: 426; 20: 43, 44,
 98.
 route to 42: 759.
 shell mounds in 15: xxviii.
 spade cache from Caseyville 13:
 134.
 spades from 13: 135.
 stemless perforators from 13: 166,
 167.
 stemless scrapers from 13: 170.
 stemmed flints from 13: 154, 155,
 156, 157, 158, 159, 160, 162, 163.
 stemmed perforators from 13: 167,
 168.
 stemmed scrapers from 13: 169.
 Warrior's Path in history of 42:
 781.
 western, trails in 42: 802, 810.
 work in 19: xviii.
- Kentucky Coffee Tree**
 medicinal use of 27: 584.
 mention of 33: 89.
- Kentucky Pioneers**, trails of 42:
 793-802.
- Kentucky Revival**, account of the
 14: 942.
- Keowee**, stone drum in 19: 397.
- Keowee Old Town**, on map by Bowen
 5: 141, 142.
- Ke'pachu**
 derivation of the word 23: 486.
 home of 23: 424.
- Kēq!**. *See* **Kake town**.
- Kere-keré-miyu-au**, legend of 30:
 130.
- Kereli**, chewed cassava to set up fer-
 mentation of the drink 38: § 234,
 257 *sqq.*, 264.
- Keremi**, crossed-quadrilateral mesh
 basket 38: § 429.
- Keres**
 absorption of, by the Zuñi 13:
 342, 343.

Keres—Continued

- derivation of Hotcani from 21:
 100.
 eastern, reference to 47: 133.
 eastern, resemblance of, to Acoma
 47: 141.
 katchina cult among 47: 899 *sq.*
 katchinas of, among Hopis 21: 17,
 18.
 moiety system of 47: 351.
 personages of 21: 62.
 reference to 47: 209.
 Soyok derived from 21: 71.
- Keres Pueblo**. *See* **Queres**.
- Keresan**
 and Hopi Snake dance compared
 16: 305, 309 *sqq.*
 clans, reference to 28: 158.
 family, early homes of 29: 500-
 504, 515, 518, 551 *sq.*
 family, mention of 7: 83.
 family, references to 29: 175, 259.
 family, Tewa name for 29: 574,
 576.
 pottery, references to 28: 141, 159.
 stock, games of the 24:
 archery 388.
 ball race 666, 668 *sq.*
 cat's cradle 770.
 dice games 119-124.
 European games 792 *sq.*
 hidden ball 339, 351 *sqq.*
 hoop and pole 421, 478.
 quoits 724.
 shinny 629.
 tops 740.
 words in Hopi Snake dance 16:
 306.
- Keresan Clan Affiliations**, of Laguna
 immigrants 47: 349.
- Keresan Language**
 at Oraibi 47: 357.
 Isletan use of 47: 350 *sq.*
- Kern, John**, vessel obtained by 20:
 166.
- Kern, R. H.**
 Casa Blanca sketched by 16: 79.
 on Jemez 29: 403.
 on San Felipe 29: 500.
 on Sia 29: 518.
 on Yuqueyunque 29: 227.
- Kern County, Calif.**, pictographs in
 4: 30.

- Kern River Peoples**, numbers of 19: 929.
- Kerr, Captain** —
 attacked by hostile Sioux 14: 882.
 part taken by, in battle of Horseshoe Bend 19: 94.
- Kerr, Paul F.**, pigment identified by 47: 859, 860, 861.
- Kerwan**
 description of 21: 70.
 participation in Powamû festival by 21: 67.
- Keshena, Chief**, agreement of, to land treaty 14: 31.
- Keshena town**
 mounds near 14: 36 *sqq.*
 treaty of 18: 816.
- Keshiene**, genealogy of 14: 59.
- Ketchemeluk** 46: 206.
- Ketchewaundaugumiuk**
 cession of reserve at 18: 764.
 reservation at 18: 700.
- Ketchipauan**
 church built of stone 8: 224.
 description of 8: 81 *sqq.*
- Ketetas**, a K''tâtäs synonym 14: 736.
- Ketoowah Society**
 character and history of 19: 15, 225 *sq.*
 opposition to allotment project by 19: 156.
 part taken by, in Civil War 19: 148.
- Ke Towa Bisena**
 derivation of 21: 126.
 description of 21: 112.
- Kettle Basket**, value of, in trade 41: 158.
- Kettle Falls**, a Colville synonym 14: 732.
- Kettle Indians.** *See* Colville Indians.
- Kettles**
 baskets used as 41: 201 *sq.*
 of the Seri 17: 185*.
 offerings of, to the spirits 37: 482 *sq.*, 532.
 shape of 41: 137.
 soul descending chain of 37: 550.
- Kevalina** 46: 100, 114, 203–207.
- Kewaskum's Camp**, location of 37: 99.
- Kewa'tsăna**, a Comanche band 14: 1045.
- Kewaughtchenunaugh**, an Okanagan division 14: 734.
- Key, John**, on Tutelo gentes 15: 244.
- Key, Philip B.**, land-treaty witness 14: 28.
- Key West Billy** 5: 484, 485.
- Keyauwee**, fortified town of 42: 777.
- Keyauwee Indians**, hair on faces of 42: 683.
- Keyes, Capt. A. D.**, defeat of Cheyenne by 17: 212.
- Keymis, L.**, cited 30: 291.
- Khasias of Northern India**, moon myth of 19: 441.
- Khotana** 46: 127, 130.
- Ki**, definition of 16: 262.
- Kiâhâ**
 description of 26: 140–143.
 in Pima song 26: 338.
 Papago article of trade 26: 93.
- Kiâini**
 mention of 8: 30.
See also High-house People.
- K'iakima**
 a pueblo of Cibola 14: 389.
 description of 8: 85, 86.
 legend of Estevan's death at 14: 361.
 upright stone slabs at 14: 147.
- *Kiäklo**
Hă'shi, performances of, with other gods 23: 96.
 personator of 23: 67.
 reception of, in *Chu'pawa ki'witsinë* 23: 72.
 selection of 23: 66.
- Kiâ'kwemosi**
 mention of 23: 447.
 use of *Euphorbia* by 30: 52.
- Kiälätsilo**, order of 23: 483 *sqq.*
- Kialegak** 46: 212.
- Kiana** 46: 204.
- Kiâ'nakwe**, quadrennial dance of 23: 217–226.
- K'iapkwainakwin**
 a Zuñi village 7: 139.
 location of 14: 358.
- Kiatexamut dialect** 4: 147 *sq.*, 191–194, 214 *sq.*
- Ki-â-wa; Kiaways**, Kiowa synonyms 17: 149.

- Kibbe, Amos**, Menomini treaty commissioner 14: 21.
- Kibihi**
basketry design of 38: § 445.
taming of 38: § 717.
- Kichai**, acknowledgment to 14: 655.
- Kichai Indian**
account of the 14: 1095.
Ghost dance introduced among 14: 902.
habitat and population of 7: 61, 62.
name of the Cheyenne 14: 1023.
name of the Comanche 14: 1043.
name of the Kiowa Apache 14: 1081.
name of the Sioux 14: 1057.
name of the Wichita 14: 1095.
status of the 14: 1093.
- Kichai Language** almost extinct 40: 5.
- Kichai Village** at site of Chouteau's fort 7: 171.
- Kichiaemtort**, Menomini treaty signer 14: 28.
- Kickapoo**
absence of Ghost dance among the 14: 816.
amount of wild rice harvested by the 19: 1075.
culture hero of the 40: 375.
dice games of the 24: 72 sq.
Ghost dance among the 14: 900, 902.
in Texas, union of, with Cherokee 19: 143.
in Texas, wanderings of 19: 146.
in wild rice district 19: 1107.
junior levirate among the 40: 375.
land cession by the 14: 692.
land cessions and reservations 18: 654 sqq., 662 sqq., 678, 680, 696 sqq., 700, 738 sqq., 792, 826, 852, 854, 874, 908, 912, 946.
linguistic work among the 24: xxii.
mnemonic songs of the 10: 250.
of Oklahoma, linguistic investigation among 28: 225.
Omaha name for the 27: 102.
population of the 7: 49; 19: 1108, 1110.
Potawatomi prophet among the 14: 705.
- Kickapoo—Continued**
present condition of the 14: 700.
reference to the 40: 548.
southern migration of the 14: 692.
standard of life of the 19: 1079.
stone graves of the 5: 30.
study of history of the 30: 19.
territory occupied by the 37: 77.
tribal history, migrations and settlement of the 19: 1055.
tribal signs for the 1: 470.
use of prayer stick by the 14: 697.
- Kickapoo Language**
an archaic Algonquian language 47: 3.
certain forms in 28: 239.
description of 28: 252-255, 258-261, 272.
independent mode in 28: 289.
pronunciation of 28: 227.
relationship of 28: 238, 244, 251, 252, 289.
See also Fox; Sauk.
- Kickapoo Mythology**, studied by Dr. T. Michelson 47: 2.
- Kickapoo Myths**, translation of, by Dr. T. Michelson 34: 16.
- Kickapoo (Shawnee) Prophet**, mention of 10: 508 sq.
See also Kānakūk.
- Kicked-Billet Race**. *See Ball Race.*
- Kicked-Stick Game**
reference to 29: 527, 530.
See also Ball Race.
- Kicking-Ball Game** in Pima legend 28: 52.
- Kicking Bear**
a Ghost dance leader 14: 847.
Cheyenne scouts attacked by 14: 867.
continued retreat of 14: 867.
delegate to Wovoka 14: 820, 894.
flight of, to Bad Lands 14: 850, 852.
Ghost dance led by 14: 854.
Ghost dance mission of 14: 817.
mention of 41: 534.
operations of, in Sioux outbreak 14: 881.
Pine Ridge agency attacked by 14: 873.
portrait of 14: 853.
surrender of 14: 868.

Kicking Bear—Continued

surrender of, demand of 14: 887.
visit of, to the Arapaho 14: 798,
820.

See also T'ené-angópte.

Kicking Bird

account of 17: 216 *sq.*
civilized burial of 17: 252.
declaration of peace by, in 1874 17:
204.

peaceful attitude of 17: 190.

See also T'ené-angópte.

Kicking Game

description of 45: 134 *sq.*
of the Winnebago 37: 121.

**Kickshaws, conjuring by 30: 329,
332 *sq.*****Kicu, home of Katsina clan 19: 607.****Kicyuba**

derivation of Tuñwup from 21: 70.
mask of Katsina clan brought from
21: 110.

sacredness of water from 21: 125.

See also Katsina Clan.

Kidder, Dr. A. V.

bulletin by 39: 24.
mention of 45: 7; 47: 1.
paper by 40: 17.
references to 29: 380, 413, 466.

**Kidi-ki-tashe, Wichita name for them-
selves 17: 298.****Kidney**

fat, of mountain goat 35: 429.
trouble, treatment of 42: 655 *sq.*,
658, 659.

Kidneys

how stimulated by the Zuñi 30:
45, 53.
of seals, Kwakiutl 35: 453, 454,
455, 457.

Kiemile 46: 176.**Kigaltwalla, a Kwikwúłt synonym
14: 741.****Kigiktauik**

implements and utensils from 18:
69 *sq.*, 101, 148, 149, 159, 161, 163,
194.

legends from 18: 452-562.

mortuary customs at 18: 312 *sq.*

observations of E. W. Nelson at 18:
297 *sq.*

people of 18: 24.

tobacco implements from 18: 272,
273.

Kigiktauik—Continued

totemic painting at 18: 325.

Kihapiilani 33: 650.**Kihotoak. *See Quijotoa.***

Kihus, reference to 28: 150, 189.

Kihutoac, reference to 28: 51.

Kij or Kizh

number names of 19: 870.

numbers of 19: 950.

Kikiallus. *See Dwamish*; and others.

Kikoli rooms occupied in winter 8:
103, 104, 131.

Kiksádi, Tlingit clan

affinity of 26: 413, 421.

crests of 26: 416, 417, 434.

history of 26: 409 *sq.*, 414.

names of 26: 421 *sq.*

phratry and tribe of 26: 398, 399,
400.

standing of 26: 408, 427.

sun spirit of 26: 465.

**Ki'kunethe Society, description of
27: 485 *sq.*****Kila 33: 619, 648.****Kila**

a diagnostician 42: 615.

supernatural power of 42: 615.

See also Prophets.

**Kilauwitawiñ, Alaska, Eskimo vil-
lage 9: 44.****Kilcacenen, sale of land by 18: 625 *sq.*****Kiligmak 46: 204.****Kilik 46: 208.****Kilimantavic 46: 208.****Kilinda 46: 185.****Kill, signs for 1: 377, 437.****Killer Whale**

among Kwakiutl 35:

dish 756.

house of 817.

painting of 813, 817.

soul of hunter goes to 727.

village, home of souls after death
714.

among Tlingit 26:

crest animal 416, 419, 420, 423.

house group name 400-404.

in mythology 465, 466.

mask of 436.

notions concerning 457 *sq.*

source of personal names 422.

**Killerwhale Dish, Kwakiutl 35:
807, 809, 810, 813, 815, 816, 864,
888, 962, 991, 1349.**

- Killikiniik**
 of what composed 14: 250.
See also Tobacco.
- Killing**, religious basis of 42: 438.
- Killisnoo**, people of 26: 397.
- Kills-with-a-Gun.** *See* Hâ'ñzep-thó'da.
- Kilmartin**, —, services of, as a scout 17: 214.
- Kilns**
 reported occurrence of 20:
 Eastern United States 54.
 Middle Mississippi Valley 84.
 South Appalachian province 131.
- Kilpatrick, John Clark**, surveyor of Cherokee boundary lines 5: 165, 168.
- Kilts**
 ceremonial, of Tusayan 15: 263, 295.
 on Antelope priests 16: 293.
 of Cuñopavi Snake priests 16: 288.
 of Oraibi Snake dancers 16: 294.
 of the kateinas, description of 47: 869 sq.
 of Tusayan, description of 16: 297 sq.
 Seri, characters of 17: 224* sq.
 Seri, origin of 17: 231* sq.
 use of, by girls, in Hopi festivals 21: 118.
- Kilu** 33: 626, 654.
- Kimball, Mrs. F. A.**, on California pictography 4: 229.
- Kimball, Dr. J. P.**, material collected by 24: 173.
- Kimberline, Jacob**, capture of 42: 769.
- Kimiown**, Menomini treaty signer 14: 28.
- Kimiti**, panpipes 38: § 566.
- Kimmswick, Mo.**
 occurrence of salt-making vessels at 20: 28, 29.
 remains at 44: 484-488.
- Kimooenim**, location of 14: 745.
- Kin** symbol in the codices 16: 233, 235, 263.
- Kin Names** of Siouan Indians 15: 177.
- Kinahan, G. H.**, cup sculptures described by 10: 194.
- K'íñähíate**, death of 17: 271.
- Kinai Language**, asserted to bear analogies to the Mexican 7: 86.
- Kinak** 46: 192.
- Kinawas**, a Kiowa synonym 17: 149.
- Kin chē-ěss**, address of 1: 521.
- Kincolith**, tribes at 26: 409.
- Kinderhook, Ill.**, fraudulent copper plates 4: 247.
- Kindred**, identification of, among Seri 17: 272*.
- Kiñep**, a Kiowa division 14: 1079; 17: 228.
- King**, —, cited 30: 42, 51, 62.
- King, Cussetah**, on Cherokee attitude in war of 1812 19: 89.
- King, Capt. James** 46: 213.
- King, John**, and Thomas Glasscock, protest by, against treaty of 1785 5: 155.
- King, R.**, sale of land to 18: 671.
- King, Richard** 46: 270.
- King, Col. Samuel L.**
 acknowledgment to 42: 759.
 information furnished by 42: 752.
- King**, use of the term 44: 214.
- King George Men**, application of name 14: 721.
- King Island**
 clothing from 18: 39, 41 sq.
 description of village on 18: 254 sq.
 implements from 18: 103-149.
 mention of 46: 93, 182.
 ornaments from 18: 47.
 people of 18: 26.
 tobacco implements from 18: 274.
 transportation apparatus from 18: 209, 220, 224, 228.
- King Island Eskimo**
 adventure of E. W. Nelson with 18: 296.
 hospitality of 18: 297.
 method of obtaining subsistence in famine of 18: 295 sq.
 trading voyages by 18: 230.
- King Islanders**
 knives with animal figures of 46: 175.
 mention of 46: 87, 197.
 visits to Nome in summer of 46: 97.
- King William County, Va.**, modern pottery of 20: 152.

- King Wolsey's Pinole Treaty**, account of 26: 50 sq.
- Kingbeil, William**, on partial cremation 1: 151.
- "Kingdom of Hacus,"** name for Acoma 47: 23.
- Kingfisher**
and his nephew, Iroquois tale 2: 108, 110.
in Menomini myth 14: 116.
myths concerning 14: 228 sq., 455.
plumage of, origin of 30: 212.
- Kingnaitmiut Eskimo Tribe**, situation of 6: 424.
- King's Dance**, description of 47: 306.
- King's Highway**, or Camino Real 42: 828-833.
- Kings Mountain**, battle at 19: 57.
- King's River**
land cessions and reservations 18: 814, 860, 864 sqq., 892.
reserve, abandonment of 18: 822.
- King's Salt Works, W. Va.**, trail to 42: 752.
- King's Spring**, Indian settlement around 42: 759.
- Kingsborough, Lord**
cited on symbolic colors 11: 532.
Dresden Codex copies by order of 6: 262.
mention of 1: 210.
"Mexican Antiquities" of, cited 3: 23, 27, 50, 52, 53, 54, 56, 65, 391; 4: 169; 6: 266.
skull glyph pictured by 16: 250.
- Kingsborough, Edward**, quoted on Indian medical practice 9: 594.
- Kingsborough, Robert**
on Mendoza Codex 19: 945 sqq.
on Vatican Codex 19: 947 sq.
- Kingsley, Jno. S.**
on Cochiti 29: 439.
on Laguna 29: 540.
on Pogueate 29: 539.
on San Felipe 29: 500.
- Kingsport, Tenn.**, trails of 42: 749, 758.
- Kingston, R. L.**, on natal customs 30: 323.
- Kingston, Tenn.**
important fort at 42: 745.
trail from, to the west 42: 835, 836.
- Kinia Dance**
a woman's dance 42: 528.
description of 42: 528.
- Kinia Dance—Continued**
mention of 42: 524.
- Kiniak** 46: 189.
- Kinichkakmo**, representation of, in the codices 16: 218, 219, 248.
- Kini-na-e-kai**, Navaho name of Casa Blanca 16: 104.
- Kinipetu** or Agutit Eskimo, situation of 6: 450, 451.
- Kinisteno.** *See* Cree.
- Kiniwas**, a Kiowa synonym 17: 149.
- Kinkrash's Band**
cession of reserve for 18: 762.
reservation for 18: 740.
- Kinnazinde; Kinna Zindé; Kinne Zinde**
ruin of 17: 534.
ruin of, description of 22, i: 134.
ruin of, examination of 5: xxiv, xxv.
- Kinney, Thomas W.**, photographs of earthenware spools furnished by 20: 44.
- Kinnikinic.** *See* Pipe Smoking.
- Kinnikinnick** 33: 107.
- Kino, Father Eusebio Francisco**
account of 26: 27 sq.; 28: 56.
Casa Grande visited by 13: lvi, 296; 15: 323, 345; 28: 54.
exploration by 17: 57-60.
map by 17: 64.
name Casa Grande given by 28: 33.
on effect of Gila flood 26: 67.
on Pima villages 26: 20.
on Quivira 29: 565.
references to 28: 46, 55, 82, 91, 220.
- Kinoke**, genealogy of 14: 49.
- Ķi'-noⁿ Ceremony** 39: 69-76.
- Ķi'-noⁿ Song** 39: 70.
- Ķi'-noⁿ Wi'-gi-e** 39: 71 sq.; 43: 96 sq.
- Kinship**
groups, in tribal society 15: civ.
groups of the Osage 27: 58-61.
how promoted among primitive peoples 15: cviii.
influence of, on tribal organization 19: xlix.
nomenclature 15: 176, 204.
of Tusayan villagers 15: 252.
Omaha affinities of 3: 255.
Omaha classes of 3: 252.
Omaha, consanguineous 3: 253.
Omaha, partial 3: 252-258.
Omaha, peculiarities of 3: 254.

Kinship—Continued

organization, egoism reflected in 19: 831.

organization systemized 15: 200.

rule among Siouan tribes 15: 213.

system of Biloxi 15: 243.

system of Hidatsa 15: 243.

tribal organization based on 17: XXXI-XXXV.

Zuñi system of 47: 477 sq.

See also **Children; Cross-Cousin Marriage; Family; Father; Grandmother; Joking Relationship; Nephew; Niece; Son-in-Law; Uncle, maternal; Uncle, paternal.**

Kinship Society 1: 68, 69.

Kinship Terms

applied to non-relatives 47: 228 sq.

discussion of 47: 230 sqq.

Indian use of 19: 491, 497.

list of 47: 40, 219-228.

of the Cherokee 19: 468.

of the Omaha 27: 313-318.

of the Osage 43: 31, 124, 128, 130 sq., 132, 133, 135, 136, 139, 146 sq., 153, 155, 156 sq., 157 sq., 160.

of the Upper Missouri 46: 503.

origin of 13: 372.

significance of 11: 368.

Spanish application of 47: 229 sq. use of 47: 31.

Zuñi 47: 477 sq., 762.

Kintiel (Kin-tiel)

age or date of occupation of 22, i: 126, 127.

ascribed to the Zuñi 17: 534, 591.

beams of ruins of 8: 149.

circular doorway at, description of 8: 192, 193.

comparison of, with Nutria 8: 94.

comparison of, with Oraibi 8: 114.

comparison of, with Pescado 8: 96.

defensive gateway at 8: 181.

description of 8: 91-94.

finish of gateway jambs at 8: 181.

fireplace in room of 8: 163, 168.

inhabitants of, speculations concerning 22, i: 124, 125.

location of 17: 533.

occurrence of upright stone slab at 8: 147 sq.

openings at, of uniform height 8: 194,

Kintiel (Kin-tiel)—Continued

plan of, prearranged 8: 100.

population of 22, i: 127.

ruin of, collection from 19: XXI.

ruin of, excavation of 19: XIII.

site of 8: 224.

two pueblos so named 22, i: 127.

upper room of, paved with stone 8: 151.

Kintiel Ruin

architectural features of 22, i: 125 sq.

bone objects from, mention of 22, i: 134.

bowl from, bird design on 22, i: 132, 133.

bowl from, frog design on 22, i: 132.

bowls from, cuts showing 22, i: 131.

cemeteries at 22, i: 126.

cemeteries east of, skeletons in 22, i: 128.

clay disks from, mention of 22, i: 133.

coiled vase from, cut showing 22, i: 130.

cup from, cut showing 22, i: 133.

dipper from, description and figure of 22, i: 133.

dipper from, with decorated handle, cuts showing 22, i: 130, 131.

documentary history of 22, i: 124 sq.

explorations at, purpose of 22, i: 122.

form and general features of 22, i: 124-128.

human skulls from, mention of 22, i: 134.

investigations at, objects of 22, i: 122.

location of 22, i: 127.

miscellaneous objects from 22, i: 133 sq.

ovens at, description of 22, i: 128.

pottery from, decoration of 22, i: 131 sqq.

pottery from, general features and form of 22, i: 129 sqq.

reference to 28: 158.

shrine near, objects collected from 22, i: 127 sq.

skeleton from 22, i: 128.

Kintiel Ruin—Continued

stone objects from, mention of
22, i: 133.

stone objects from shrine near
22, i: 127 *sq.*

wood objects from, mention of
22, i: 133.

See also **Kintiel**.

Kintner, John, quarry on land of
44: 525.

Kiñugumut, range of 18: 26.

Kinzie, J., jr., land treaty witness
14: 29.

Kinzie, Mrs. John H., on birch-bark
winnowing fan 19: 1071.

Kiovas, a Kiowa synonym 17: 149.

Kiowa

and Comanche, cairn burial of 1:
142, 143.

heraldry, work on, by J. Mooney
23: xvii, xxiii; 26: xiii; 41:
5, 56.

investigation of 15: xxii, xxix,
xxxiii, xxxviii, xli, lxxx.

land cessions and reservations 18:
838, 846.

researches among the 16: xxiii,
xxviii, xli, xlii, l, lhi, lv, lxv,
lxix.

work among the 18: xxviii, xlii
sq.; 40: 4.

See also **Kaiowa Indians; Kiowa
Indians**.

Kiowa Apache

account of the 14: 1081; 17: 245-
253.

confederation of, with Comanche
17: 184.

delegation from, in 1872 17: 251.

friendliness of, in 1874 17: 202,
252.

habitat of, in 1805 17: 166.

heraldic system of 23: xvii.

horses among the 17: 161.

incorporation with Kiowa of 17:
147, 156.

land allotment of 17: 224.

name of the Arapaho 14: 953.

name of the Cheyenne 14: 1023.

name of the Comanche 14: 1043.

order of, in Kiowa camp circle 17:
228.

peace council participated in by, in
1872 17: 190.

Kiowa Apache—Continued

population of 17: 235.

researches among 24: xvi *sq.*

signing of Medicine Lodge treaty by
17: 186, 321.

synonymy of 17: 245.

treaty agreement by, 1865 17: 179.

treaty signed by, 1837 17: 169,
170.

treaty signed by, 1865 17: 180,
251.

treaty signed by, 1866 17: 184.

Kiowa Calendars 26: 34 *sq.*

Kiowa Dutch, capture of, by Kiowa
17: 270.

Kiowa Indians

absence of clans among 14: 956.

account of the 14: 1078.

aid by, in Indian congress 20: xi.

and Sioux early warfare 14: 1059.

body painting of the 41: 596.

calendar history of 17: lxiii *sqq.*,
lxvii-lxxx, 129-545.

cedar used in Ghost dance of 14:
809.

collections from the 13: xxxii,
xxxiii, xxxix.

confederation of Comanche with
14: 1044.

death song of warrior orders of 19:
491 *sq.*

games of the 24:

archery 388.

dice games 124-130.

hand game 284 *sq.*

hoop and pole 442, 478.

shinny 629.

snow-snake 400, 413.

tops 740.

Ghost dance among the 14: 786,
802, 895, 898, 902, 906, 908.

glossary of the 14: 1088.

investigation of the 14: xxxix.

migration of the 14: 1044.

myths of the 19: 433, 434, 438,
443, 449, 459, 501.

name of Arapaho divisions 14:
955.

name of Ghost dance 14: 791.

name of the Arapaho 14: 953,
954.

name of the Caddo 14: 1092.

name of the Cheyenne 14: 1023.

name of the Comanche 14: 1043.

- Kiowa Indians**—Continued
 name of the Kiowa Apache 14: 1081.
 name of the Sioux 14: 1057.
 name of the whites 14: 978.
 name of the Wichita 14: 1095.
 obscure social organization of 21: XXI.
 Omaha name for 27: 102.
 owl-inspired medicine-man of 19: 495 sq.
 peyote used by 30: 41.
 present condition of dance among the 14: 914, 927.
 publication of paper on 19: xvi, XXIX.
 researches among the 24: xvi sq.; 25: XIII sq.; 27: 8.
 sacred regard of the, for cedar 14: 979.
 sacred wooden image of the 13: 116.
 synonymy of the 14: 1078.
 Tewa name for 29: 574.
 tribal customs of the 20: XIX.
 tribal medicine of the 19: 503.
 tribal sign of the 14: 1078.
 visit of, to Washington 34: 28.
 warrior organization of the 14: 989.
 work among the 17: XLIX sqq.
See also Kiowa.
- Kiowa Language**
 preparation of paper on 41: 33 sq., 58 sq.
 study of the 39: 20.
- Kiowa Mountains**, location of 17: 153.
- Kiowahs**, a Kiowa synonym 17: 149.
- Kiowan and Siouan** early contact 15: 187.
- Kiowan Family** 7: 84.
- Kioways**, a Kiowa synonym 17: 149.
- Kipling, Rudyard**, on zoic concept of fire 17: 199*.
- Kipniak** 46: 198.
- Kipo**, home of Hano clan 19: 614.
- Kirby**, —. 46: 219.
- Kirby, H. S.**, obtained mask in Friendly Islands 3: 101.
- Kiri'nāhīs**, Kichai name of Kiowa Apache 14: 1081.
- Kirishana** 38: § 456.
- Kirk, Charles**, chisel-pick found by 15: 128, 129.
- Kirk, Mrs. Charles**, collection of 15: 125.
- Kirk, Rev. Jesse**, acknowledgment to 24: XIX.
- Kirk, Richard**, steatite quarry on place of 15: 128.
- Kirk Family**
 murder of Cherokee by 19: 65.
 murder of members of, by Cherokee 19: 65.
- Kirke, H.**, cited 30: 243, 282, 304 sq.
- Kirkland, Samuel**, inclosure noticed by 12: 543.
- Kir-mu**, bamboo flute 38: § 560.
- Kisakobi (Kisákobi)**
 clay imitation of Pectunculus shell from 22, i: 91.
 description of pueblo of 8: 21.
 former site of Walpi 17: 578.
 ruins of, description of 17: 585.
 second site of Walpi pueblo 19: 580.
 settlement of 17: 635.
- Ki'sate**
 information furnished by 26: 18.
 on communication with the dead 26: 253.
 on dreams 26: 254, 256.
- Kishei**, seed necklace 38: § 535.
- Kishkawbawee**
 cession of reserve at 18: 764.
 reservation at 18: 698.
- Kishoni** or uncovered shade 8: 217 sq.
- Kishyuba**, a Hopi ruin 17: 591.
- Kisi**
 and cavate houses, comparison of 17: 544.
 and cliff dwellings analogous 16: 198.
 construction of 8: 217 sqq.
 description and origin of 19: 973, 1005.
 erection of, in Cipaulovi ceremony 16: 281.
 for containing the reptiles used in Snake dance 19: 973, 977.
 function of, in Snake dance 16: 285.
 how constructed at Cuñopavi 16: 288.
 of Tusayan, description of 16: 297.
 on brush shelter 16: 92.

- Kisínāhis**, a Kiowa Apache synonym 17: 245.
- Kisiwi**, Ala clan at 19: 590.
- Kiskakon**, on site of Fort Wayne 42: 786.
- Kiskedee Bird**, headdress of, origin of 30: 212.
- Kissel, Mary Lois**, work of 41: 40.
- Kissing**
 Guiana Indian, forms of 30: 163 *sq.*
 Hawaiian 33: 624.
- Kitchen, Mrs. A. H.**, appointment of 42: 19.
- Kitchen**, Pima description of 26: 69.
- Kitchen Midden**
 Guiana Indian 38: § 773.
 sites, varieties of ware found on, Gulf Coast group 20: 104.
 See also Middens; Mounds; Occurrence; Shell-heaps.
- Kitchin, Thomas**
 on Acoma 29: 545.
 on Galisteo 29: 482.
 on Isleta 29: 529.
 on Picuris 29: 193.
 on San Lazaro 29: 491.
 on Santo Domingo 29: 449.
 on Taos 29: 182.
- Kitchmakim**, sale of land at 18: 604.
- Kitcopataki**, a Red town 42: 255.
- Kitdauwi**, the house song of Tusayan 8: 118 *sq.*
- Kite**. *See* Keca.
- Ki'tikiti'sh**, native name of the Wichita 14: 1095.
- Ki'tsäsh**, native name of the Kichai 14: 1095.
- Kitshi Manido**
 Ojibwa mythic personage 10: 255.
 the principal Ojibwa deity 7: 163.
- Kitskûkâtû'k**, a Wichita village in 1834 17: 267.
- Kitty-ka-tats** 1: 102.
- Kituhwa**
 introduction of Christianity at 19: 165.
 legend of mound at 19: 396.
 See also Ketoowah.
- Kitunaha**, synonym of the Kutenai 14: 731.
- Kitunahan Family** 7: 85.
- Kitunahan Stock**. *See* Kutenai.
- Kituna'qa**. *See* Kutenai.
- Kitu'whagi**
 meaning and derivation of name 19: 15, 182, 378.
 See also Synonymy.
- Kiva**
 ancient form of 8: 116, 117.
 application of the term 28: 150.
 archeologic evidence furnished by 13: 348.
 architecture, evolution of 13: 257, 363.
 at Mishongnovi 19: 966.
 cause for building 19: 644.
 circular, absence of, in Verde cavate lodges 13: 257.
 comparative antiquity of circular and rectangular 19: 988.
 Coronado's description of 14: 558.
 description of 28: 151, 158; 33: 169.
 description of, by Colorado River Indians 14: 405.
 duties of *mungwi* or chief of the 8: 133.
 examples in Verde ruins 28: 189.
 hatchways of 8: 201 *sq.*, 205 *sqq.*
 in cliff dwellings 13: 346, 348.
 in Eagle Nest house 33: 167.
 in Four-mile ruin, mention of 22, i: 173.
 in Verde ruins 13: 196.
 Mashongnavi 8: 66.
 measurements of 8: 136.
 motive for building 8: 134.
 native exploration of position of 8: 117 *sq.*
 of Elden Pueblo 43: 4.
 of Moen-kopi 8: 78.
 openings of, at Acoma 8: 207.
 origin of the name 8: 111.
 ownership of 8: 133 *sq.*
 reference to 29: 361.
 remains of, at Payupki 8: 60.
 significance of structural plan of 8: 135.
 study of construction of 8: 14.
 the Zuñi village house 5: 544, 547, 549, 552.
 worship, ceremonies of 20: cix.
 worship, control of 20: cix.
 See also Estufas; Kivas; Mung-kiva.
- Kiva Chief**, functions of 47: 876.

Kiva-like Remains at Honanki 17: 560.

Kivas

absence of, in farming villages 16: 156.
 absence of, in Sikyatki 17: 642.
 absence of, in southern cliff houses 17: 574.
 annual repair of, by women 8: 129.
 at Acoma, discussion of 47: 30 *sq.*
 at Isleta 47: 209.
 celebrations performed in 15: 256.
 ceremonial renovation in 15: 286, 287.
 ceremonial replastering of 17: 645.
 circular, absent in Cibolan pueblos 8: 224.
 dances required of 47: 886, 887.
 derivation of the word 47: 877.
 dimensions of 8: 118, 136.
 distribution of 17: 561, 574.
 distribution of, in cliff ruins 16: 197.
 excavation of, at Awatobi 8: 50.
 function of 16: 193.
 Hano 8: 61.
 how entered 16: 190.
 how plastered 16: 161.
 in cliff ruins 16: 102, 103, 118, 119, 121, 124, 135, 137, 138, 139, 141, 142, 143, 174-182.
 in modern pueblos, mention of 22, i: 173.
 in Mummy Cave ruin 16: 115.
 in Pakashi-izini ruin 16: 99.
 in Ruin No. 3 33: 165, 166.
 in Ruin No. 20 33: 192, 193.
 in Tse-on-i-too-si canyon 16: 101.
 in Tusayan 8: 111-137.
 Kintiel and Cibola, comparison of 8: 93.
 measurements of 8: 118, 136.
 nomenclature of 8: 130, 222 *sq.*
 nonuse of chimneys in 8: 178.
 number of 47: 75.
 of Awatobi 17: 611.
 of Casa Blanca, description of 16: 107.
 of Moki Indians, study of 7: xxvi *sq.*
 of unusual size 16: 65.
 origin of 16: 91.
 paraphernalia prepared in 15: 292.

Kivas—Continued

partly subterranean 17: 496.
 platforms, characteristics of 17: 541.
 present use of 47: 878.
 prevalence of, in Pueblo ruins 16: 90.
 resemblance of, to kashims 46: 82.
 round, evolution of 17: 575.
 Shumopavi 8: 74.
 Shupaulovi 8: 72.
 Sichumovi 8: 62.
 Snake ceremonies performed in 16: 276.
 special ladders for 47: 31.
 Tusayan, list of 8: 136.
 typical plans of 8: 118-129.
 use of the word 47: 518.
 uses of 8: 130.
 Walpi 8: 63, 64, 65.
 Zuñi, associated with cardinal points 47: 877.
 Zuñi, description of 47: 877.
 Zuñi, where located during Spanish occupancy 8: 99.
See also Kiva.
Kividlow 46: 203.
Kiviung 6: 621.
Kiwaa, a Kiowa synonym 17: 149.
Kiwach, myth of 10: 473.
Kiwalik 46: 203.
Ki'waxawuts!ě'x, Tlingit mythological being 26: 460.
Kiwitse, Zuñi, application of the term 28: 150.
Ki'witsině, mention of 23: 143, 146.
Ki'witsiwe
 and their functions 23: 62-72.
 description of 23: 62.
Kiwoni, a Keresan dialect 7: 83.
Kiyana, Alfred
 death of 40: 27.
 part taken by, in ceremony 40: 27.
 reference to 40: 29, 42, 43, 360, 503, 505.
 songs dictated by 40: 28.
 texts written by 40: 27, 28, 378.
Kizh. *See Kij.*
K'ka'săwi, sketch of the 14: 739.
K'ka'săwi-lěma, a K'ka'săwi synonym 14: 739.
Klaatsch, H. 46: 370.
Klahchemin Island. *See Squaxin Island.*

- Klahewe** 21: 120.
- Klallam**, poisoned arrows used by the 14: 285.
- Klamath**
 absence of clans among the 17: 227.
 and Trinity Indians, burial of 1: 106, 107.
 arrow chipping of 13: 140, 142.
 blood relationship and affinities among 24: XIX.
 caps worn by the 41: 354.
 chronology of the 17: 372.
 coloring matter used by the 10: 221.
 dictionary, by Gatschet 3: xxv; 37: 27.
 games of the 24:
 dice games 136 *sq.*
 double ball 648, 659.
 four-stick game 327, 328-332.
 hand game 291 *sq.*
 hoop and pole 479-492.
 ring and pin 528, 550 *sq.*
 stick games 247 *sq.*
 tops 740 *sq.*
 general researches among 1: XIX.
 habitat and population of 7: 90.
 land cessions and reservations 18: 788, 814, 834, 944.
 materials used by, in basketry 41: 146.
 mention of 4: 49, 51, 63, 183.
 present habitat of 14: 805.
 publications concerning 11: XXXII.
 stone chipping of 13: 141, 172.
 studies of A. S. Gatschet 5: XXXII.
 tattooing of 10: 406.
 use of smoking tubes by 13: 127.
 work of A. S. Gatschet on grammar of 6: XLVIII.
See also Hoopa Valley Reserve.
- Klamath Lake**, treaty at 18: 834.
- Klamath Language**
 study of A. S. Gatschet on 2: XXI.
 work on 10: XIX.
See also Klamath.
- Klamath Reserve**
 discontinuance of 18: 944.
 establishment of 18: 814, 834.
 Indians on 14: 805.
 removal of Snakes to 18: 836.
- Klanoh-Klatklam Tribe** 7: 85.
- Klatsop** land cessions and reservations 18: 832.
- Klawak**, *Tlingit town*
 clans of 26: 410.
 mention of 26: 397.
- Kleinschmidt**, —, Eskimo orthography of 6: 413.
- Klenkaklaiuh** 46: 54.
- Klett, F.**, description of textiles found by 13: 34.
- Klett, Francis**, on Laguna 29: 541.
- Klickitat Tribe**
 area inhabited by 41: 383.
 basketry of 41: 136, 137, 139, 142, 182, 183, 184, 198, 223, 229, 356-360, 361, 372, 373, 414 *sq.*, 424 *sq.*
 designs of, influenced by California tribes 41: 375 *sq.*
 mention of 41: 136.
 name of, in sign language 45: 146.
 of Sahaptian stock 41: 373.
 rims of baskets of 41: 142.
See also Klikitat.
- Klikatat**
 a Klú'kātāt synonym 14: 738.
 absence of Smohalla religion among 14: 727.
- Klikitat**
 games of the 24:
 dice games 158.
 hand game 307.
 stick games 257.
 land cessions and reservations 18: 832.
 population of the 7: 107.
See also Klickitat Tribe; Yakima; and others.
- Klinkwan**, derivation of name 26: 408, 409.
- Klinquit**
 mention of the 14: 738.
See also Yakima; and others.
- Klú'kātāt**, sketch of the 14: 738.
- Klukwan**, *Tlingit town*
 clans of 26: 413 *sq.*
 mention of 26: 397.
- Klutschak, Heinrich W.**
 cited 6: 411, 448, 449, 451, 457, 458, 459, 466, 502, 509, 510, 516, 552, 553, 570, 582, 595, 596, 614, 615.
 mentioned 46: 370.
 on Eskimo childbirth customs 9: 415.
 on Eskimo deer hunting 9: 268.
 on Eskimo wolf killers 9: 259.
 works consulted 9: 24.

- K'nai-Khotána**, population of 7: 53.
K'nai-Khotana Tribe of Cooks Inlet 7: 53.
Knap of Reeds, N. C., on ancient village sites 42: 776.
Knapp, George, mounds on farm of, Arkansas 12: 243.
Knapsack
 cover for 38: § 452.
 mention of 38: § 450.
 natural forms of 38: § 453.
 straps for 38: § 61, 62.
Kneale, —, agent for Uncompahgre Ute 38: p. 4.
Knee Protectors of the Eskimo 18: 129.
Knife
 agouti tooth 38: § 733, 736, 748.
 arrow reed 38: § 905.
 bamboo 38: § 905.
 ceremonial 11: 545.
 drawing, from Hollywood mound, Georgia 12: 320.
 fish tooth 38: § 15, 510.
 from mound, Mississippi 12: 275.
 metal, occurrence of, in Georgia mounds 20: 189.
 mussel-shell 35: 398.
 sharpeners, Eskimo 18: 89 sq.
 sign for 1: 386; 16: 232.
 stone 38: § 13.
 use of, by Hopi kateinas 21: 75.
 use of, by infants 38: § 912.
 use of, in carving stamp-paddles, eastern United States 20: 134.
 use of, in pottery making, eastern United States 20: 54, 56.
 wood 38: § 14.
See also Knives.
Knife-Chief, Charles, assistance rendered by 33: 46.
Knife-Chief, Mrs. Rhoda, assistance rendered by 33: 46.
Knife-feathered Monster, Zuñi fetish 2: 40.
Knife Indians, a name for the Thompson Indians 45: 447.
Knife Order, cause of organization of 23: 410.
Knife-Sense, Seri lack of 17: 152* sq., 206*.
Knife-Shirt, death of 17: 294.
Knife Society
 ceremonial of 11: 101.
Knife Society—Continued
 organization of 11: 69.
 songs of 11: 128.
Knight, E. H.
 description of shell ornaments by 2: 211.
 on Australian flaking 13: 169.
 on European use of stone axes 13: 63.
 on Swiss throwing stones 13: 99.
Knight Inlet
 cinquefoil roots at 35: 190.
 clover growing in 35: 188.
 crabapples in 35: 213.
 lupines in 35: 198.
 mention of 35: 323, 443, 509.
 olachen in 35: 299.
got!xolē berries at 35: 218.
 Viburnum berries in 35: 216, 258.
Knights of the Golden Circle, secret secessionist organization 19: 148.
K'n'-i-K'él, *See Kintiel*,
Knikhtak 46: 200.
Knitting, Guiana Indian 38: § 53.
Knives
 aboriginal use of 15: 84.
 antler and bone 45: 43.
 blades classified as 44: 94.
 blades used as 15: 84.
 ceremonial or sacrificial 34: 107 sq.
 chipped flints used as 13: 177.
 copper, types of 37: 88.
 Eskimo 18: 85 sq., 90.
 Eskimo, hunting and skinning 18: 171 sq.
 Eskimo, toy 18: 345 sq.
 Eskimo, women's 9: 161-164; 18: 108 sq.
 fish-cutters 9: 164 sq.
 for cutting snow and ice 9: 304 sq.
 general description of 9: 150-165.
 hematite celts used as 13: 87.
 Indian, study of 18: xxxv sq.
 iron 46: 61.
 ivory, with animal effigies 46: 175.
 made of shell 31: 396.
 method of using 9: 150 sq.
 nature of 30: 127, 191.
 of flaked flint 34: 137.
 of flint 9: 160.
 of iron and steel 9: 155-160.
 of shell 2: 201.
 of shell, rarity of, in collections 2: 203.

Knives—Continued

- of shell, used by Florida Indians 2: 202.
 - of shell, used by Pacific coast tribes 2: 203.
 - of shell, used by Patagonians 2: 203.
 - of slate, for men 9: 151-155.
 - of the Menomini 14: 241, 260.
 - of the Northern Indians 11: 206, 252, 317.
 - of the Omaha 13: 268.
 - of whalebone 9: 155.
 - produced by flaking 15: 26.
 - St. Michael 46: 170.
 - steel, old form 46: 51.
 - stone 45: 42.
 - stone, distribution of 15: 142.
 - stone, Eskimo method of making 18: 91.
 - stone, from Pueblo ruins on Little Colorado River 22, i: 102 sq.
 - stone, of the Plains Indians 14: 528.
 - stone, of the Ute 14: 282.
 - stone, on the Yukon, Ruby 46: 48.
 - stone, slate, Eskimo territory 46: 173.
 - symbolic 39: 346.
 - use of, for scalping 15: 171.
 - Yukon 46: 134, 145, 146.
- See also Knife.*

Knivet, H., on labrets in Brazil 3: 84.

Knobbed Heads 25: 174 sq.

Knobs, specimens showing 34: 186, 220.

Knockers, stone 46: 134, 144, 146.

Knots

- cure for warts, scrofula, epilepsy, etc. 9: 578 sq.
- in garments 9: 576.
- magic, preventive of sexual intercourse 9: 567, 569, 570.
- magic wind, of the Lapps 9: 560 sq.
- mnemonic use of 9: 562 sq.
- nuptial 9: 568 sq.
- true lovers' 9: 567, 568-576.
- use of, in capturing hyena 9: 574.
- use of, in finding lost animal 9: 574.
- use of, in parturition 9: 570 sq.

Knotted Cords and objects tied 10: 223-227.

Knotty Tom, myth told by 19: 482.

Knox, Henry

- on violation of treaty of Hopewell 5: 160, 161.
- treaty with Cherokee executed by 5: 171.

Knox, John

- instructions of, to Ethnologist Shaw 19: 70 sq.
- on Chickamauga declaration of war (1792) 19: 71.
- on encroachment of Cherokee lands (1789) 19: 68.

Knox County, Ind., occurrence of salt-making vessels in 20: 28.

Knox County, Tenn., occurrence of salt-making vessels in 20: 28, 31.

Knoxville, Tenn., occurrence of salt-making vessels near 20: 28.

Knowledge, growth of, essential to 19: 826 sq.

Koahualla. *See Cahwia; Colorado River Reserve; Kahwia.*

Koasati (Koasáti)

- black birds offended by 42: 529.
 - clan affiliations of 42: 529.
 - clan councils of 42: 124.
 - clans of, furnishing chiefs and henihas 42: 192, 194.
 - in Texas, trans-Mississippi migration by 19: 99.
 - in Texas, tribe of Creek confederacy 19: 498 sq.
 - in Texas, union of, with Cherokee 19: 143.
 - informants 42: 32.
 - language, material obtained 48: 5.
 - mention of 42: 45.
 - mixed with the Caddo 14: 1093.
 - of Muskhogean stock 42: 677.
 - peace-making rite of 42: 443.
 - population of 7: 95; 42: 150.
 - stomp dance observed by 42: 550.
 - terms of, for months 42: 402.
 - town emblem of 42: 243, 244.
 - union of, with Creeks 42: 48.
 - Upper Creek White town 42: 124.
- See also Cowassawdays.*

Koasati, No. 1.

- a White town 42: 254.
- allocation of clans in beds at 42: 201-204.

- Koasati, No. 1**—Continued
 arrangement of square ground of 42: 217.
 position of beds at 42: 198.
 the main body of Koasati 42: 550.
- Koasati, No. 2.**
 a White town 42: 254.
 allocation of clans in beds at 42: 201-204.
 arrangement of square ground of 42: 217, 243.
 clans, phratries, and moieties of 42: 158 sq.
 position of beds at 42: 198.
 terms of relationship of 42: 88, 89 sqq.
- Kobeua (Kobéua; Kobéwa) Indians**
 beliefs of 30: 270, 325.
 mention of 38: § 334.
- K'obictaiya**, the beneficent spirits 47: 65.
- K'obictaiya Ceremony**, description of 47: 86 sqq.
- Kobono-arú.** See **Rain-Frog**.
- Kobuk River**
 crania 46: 260, 262, 263, 292.
 Eskimo 46: 224, 226, 361.
 exploration of 46: 99, 173.
 "jade" 46: 88.
 jadeite tools from 46: 319, 363.
- Kobulunuk** 46: 143.
- Koch-Grünberg, Dr. T.**, cited 30: 118, 119, 138, 140, 149, 153, 156, 162, 165, 170, 174, 271, 289, 290, 304, 306, 307, 314, 322, 325, 329, 341, 347, 362, 364.
- K'ódal-aká-i**, a Kiowa trader 17: 281.
- K'odalpä-K'íñago**, Kiowa name of the Sioux 14: 1057.
- Kodi**, Carib name for the Botuto 38: § 556.
- Kodiak Island**
 children from 46: 37.
 crania from 46: 286.
 mention of 46: 177, 181, 232-235, 236, 237.
 old sites of 46: 184, 185.
- Koella Virginiana**
 medicinal constituents of 44: 304.
 medicinal properties of 44: 301.
 use of 44: 290, 307, 318, 354, 358.
- Kofa**, spirits associated with 30: 228, 231 sq.
- Koganei, Y.** 46: 370.
- Kogiunk** 46: 189.
- Kogle, Robert**, mention of 42: 836.
- Kogomiut** 46: 198.
- Ko'gúi**, a division of the Kiowa 17: 228.
- Ko'gu'i**, a division of the Kiowa 14: 1079.
- Koh'-kok-shi**, of the Zuñi 31: 14.
- Kohl, Johann Georg**
 cited on mutilation by Indians 9: 483, 484.
 cited on Ojibwa customs 9: 490, 511, 531.
 on cradle amulet, Chippewa 24: 427.
 on dice games, Chippewa 24: 65 sq.
 on double ball, Chippewa 24: 650.
 on influence of wild rice on geographic nomenclature 19: 1116.
 on Ojibwa menmonic songs 14: 106, 107.
 on popular synonym for wild rice 19: 1023.
 on racket, Chippewa 24: 566 sq.
 on snow-snake, Chippewa 24: 401.
 on tops, Chippewa 24: 734.
 on trade in shells 2: 194.
 on wild rice in Lake Huron 19: 1037.
 on wild rice in southern part of Lake Superior 19: 1034.
- Koho'**, a Caddo gens 14: 1093.
- Kohonimo**, description of 21: 85.
- Koï Tat'k'**, Papago village 26: 45.
- Koit-tsow**, name applied to Wovoka 14: 765.
- Kökau**, description of 47: 209.
- Kokerit**, *Maximiliana regia*
 and armadillos 38: § 535.
 and baskets 38: § 454.
 for fire stick 38: § 1.
 fruit of, eaten 38: § 247.
 seed pod for baby cot 38: § 458.
 seeds carved into rings 38: § 542.
 source of oil 38: § 25, 925.
 source of salt 38: § 250.
- Kokerite**, nature of 30: 186.
- Kök-kō**
 admission of women into the 5: 540-555.
 involuntary initiation into the 5: 547-553.

- Kōk-kō**—Continued
 the Zuñi order of the 5: 540-548.
 voluntary initiation into the 5: 553
sqq.
- Kok'ko A'wa**, all the gods, food offering to 23: 141.
- Kok'ko 'hlan'na**
 group known as 23: 407.
 initiation of members by 23: 411.
 Zuñi order of 23: 487-490.
- Kok'ko Ko'han.** *See* White Gods.
- Kokle**
 description of 21: 95.
 facial markings of 21: 95.
- Koko**
 and kateina, comparison of 15: 265.
 reference to meaning of 15: 307.
 use of the word 47: 847.
 Zuñi supernaturals 47: 843.
- Kokokci**
 and Ānakateina, comparison of 15: 303, 306 *sq.*
 probable derivation of, from Patki clans 21: 94.
 resemblance of, to Añya kateinas 21: 94.
- Kokolak** 46: 208.
- Kokolik** 46: 208.
- Kokop (Firewood) Clan**
 advent of, at Walpi 19: 585 *sq.*
 former homes, migrations and census of 19: 604 *sqq.*
 Hopi kateinas derived from 21: 125.
 war-god image belonging to 21: 26.
- Kokop Family**, mask of Eototo possessed by 21: 77.
- Kokop Group**, component clans of 19: 584.
- Kokopeli**, a Hopi deity 17: 663.
- Kokopelli**
 derivation of 21: 125.
 description of 21: 86.
 introduction of, by Asa clan 21: 62, 86.
- Kokopelli Mana**
 derivation of 21: 125.
 description of 21: 86.
- Kokshi**, dance of Añya kateinas called 21: 45.
- Koksoagmiut Eskimo.** *See* Eskimo, *Koksoagmiut.*
- Koksoagmyut**, description of 11: 184.
- Koksoak River**
 description of 11: 170.
 ethnology of 11: 167.
- Kokyan.** *See* Spider Clan.
- Kokyan Wüqti**
 appearance of, in Palülüköñti festival 21: 43.
 description of 21: 90.
 resemblance between, and Hahai wüqti 21: 68.
 the Spider Maid, legends concerning 22, i: 81, 82.
 worship of 21: 21, 25.
- Kolben, Peter**, cited on Hottentot customs 9: 485, 536.
- K'ólin Téhuli** of Zuñi mythology 13: 381.
- Kolokanaro**, land camudi 38: § 219.
- Kololo**, Oyana term for wooden bench 38: § 328.
- Kolon Clan**, census of 19: 617 *sq.*, 622.
- Ko'loowisi**
 coming of an initiation into Ko'tikili 23: 94-102.
 dry painting of 23: 96, 97.
 description of 23: 94.
 performances of 23: 101.
 visit of, to the Ki'witsinē 23: 101.
- Koluschan**
 equivalent of Tlingit 26: 396.
 family, mention of 7: 85 *sqq.*
 stock, instruments employed by, in stick game 24: 227.
 stock, tribes of the 24:
 Chilkat 243, 287.
 Stikine 244.
 Taku 244.
 Tlingit 130, 245, 288, 709.
 Yakutat 740, 793.
- Kolusio**
 acknowledgment to 17: 14, 21.
 connection with Señor Encinas of 17: 109.
 description of 17: 98.
 knowledge of Seri language possessed by 17: 99.
 outlawry of 17: 113.
 vocabularies given by 17: 95 *sq.*, 97 *sqq.*, 102, 107, 296*.
- Ko'luwala'wa**, a mythic locality 30: 50, 54.

- Kolyma**, fossil ivory culture 46: 174.
Kolyma River 46: 211.
Komantci. *See* **Türtumsi**.
Komatari, the first medicine-man, legend of 30: 366 *sqq.*
Komeska-K'inahyup, Kiowa name of the Arapaho 14: 954.
Kominkey, Menomini treaty signer 14: 28.
Ko'mokätsi, a Zuñi goddess 30: 44, 52.
Komoktotokya, ceremonial day of 21: 20.
Ko'mosona, reception of water by 23: 129.
Kómpabíäntä, a Kiowa synonym 17: 149, 152.
Kompágo, a Kiowa synonym 17: 149.
Kona, description of 21: 115, 116.
Konabaro. *See* **Phyllanthus**.
Kónabíñate
 medicine stick of 17: 302.
 wounding of 17: 303.
Konami. *See* **Clibadium**.
Konane 33: 619, 652, 653.
Konapamik. *See* **Shell**.
Koñate. *See* **Kónabíñate**.
Ko'ŋe Gens
 custodian of Sacred Pipes 27: 459, 461.
 general account of 27: 169 *sqq.*
 part in ball game 27: 366.
 See also names of subdivisions.
Konehu. *See* **Brer Rabbit**.
Koneso. *See* **Brer Rabbit**.
Kongiganak 46: 193.
Koniak; Kaniagmiut, skulls 46: 232, 234.
Koñigungumiut
 ceremonial objects from 18: 412 *sq.*
 clothing from 18: 32 *sq.*
 implements and utensils from 18: 68, 99, 103, 105, 106, 109, 140, 142, 143, 151.
 inhospitality of people of 18: 297.
 ornaments from 18: 45, 54, 58.
 tobacco implements from 18: 275.
 toys from 18: 345.
 transportation apparatus from 18: 226.
Konihä'likwi
 initiation of witches by 23: 127, 128.
- Konihä'likwi**—Continued
 prayer plumes deposited by 23: 127.
Konkau
 hand game of the 24: 296 *sq.*
 number names of the 19: 871.
 See also **Round Valley Reserve**.
Kōnō^{'^}, reference to 40: 501.
Konoko-kuyuha, legends concerning 30: 185, 188, 189 *sq.*, 193.
Konondaigua, treaty of 18: 652 *sqq.*
Konot, genealogy of 14: 51, 56.
Koñpä'te, death of 17: 328.
Koñtä'lyui, a Kiowa division 14: 1079; 17: 228.
Koochik 46: 207.
Ko'-okûp Van'sik, Pima village 26: 22.
Koonti
 preparation of 5: 513-516.
 Seminole tradition of origin of 5: 519.
Koot 46: 194.
Kootenai Indians
 a synonym of Kutenai 14: 731.
 basketry of the 41: 135.
 See also **Kutenai Indians**.
Kootenay land cessions and reservations 18: 856, 858.
Ko'pekwin
 meal painting made by 23: 129.
 planting of prayer plumes by 23: 143.
Kopeli
 at Walpi 19: 975.
 services of, at Sikyatki 17: 641, 643.
 Snake clan chief, reference to 19: 579.
Kopitcoki, use of, in Palülukoñti 21: 53.
Korean Myths, position of rabbit in 19: 232, 447.
Kor'kokshi
 anointing and painting of 23: 160.
 ceremonies and description of 23: 141, 145 *sqq.*
 dancing of 23: 159, 161, 162.
 limitation in dancing of 23: 63.
 pilgrims met by 23: 158.
 place of dancing of 23: 64.
Korn, Gustav, killed at Wounded Knee 14: 872.

- Koroballi**, *See* **Pentaclethra**.
- Korobohāna**, legend of, on origin of man 30: 141 sq.
- Koroctû**
derivation of, from the Keres 21: 102.
description of 21: 102, 103.
- Koroiomanna**, *See* **Kororomanna**.
- Korokura**. *See* **Kurohara**.
- Kororomanna**
identification of 30: 119.
legends of 30: 125 sq., 150.
man created by 30: 126, 142.
origin of 30: 125.
- Koryak**, of Siberia, decoration employed by 41: 364 sq., 367.
- Kosa**, synonym for Coosa 42: 70.
- Kosâ Society**, references to 29: 551, 564 sq.
- Kosetah** land cessions and reservations 18: 788.
- Kosev**, genealogy of 14: 60.
- Koshare**
a secret society 47: 71.
description of 15: 268.
discussion of 47: 97.
functions of 47: 51.
- †Ko'shi'kwe**
and A'pi'†lāshiwanni, requirements to membership in 23: 421.
See also **Cactus Fraternity**.
- Koshkonong Creek**, mounds and village site 37: 99.
- Koskanoqna'**, genealogy of 14: 49.
- Kosk!ē'di**, *Tlingit* clan
crests of 26: 417.
history of 26: 413.
names of 26: 422.
phratry and tribe of 26: 399, 400.
standing of 26: 408.
- Koskimo**
cradles of 35: 672.
deformation of head among 35: 671.
manner of cooking perch 35: 411.
manner of eating salmon 35: 316.
means of having children among 35: 644.
weather charm of 35: 630.
- Kotai'aqan**
a supporter of Smohalla 14: 721.
Smohalla ceremony conducted by 14: 727.
- Kotenümsi**, a Hopi priestess 15: 262.
- Ko'thluwala'wa, Lake**
ceremonies at 23: 156, 157.
description of visit to 23: 154, 155.
journey of pilgrims from 23: 158.
song of Ko'yemshi at 23: 156.
- Ko'tikili**
membership of women in 23: 65.
origin of 23: 46, 47.
reasons for initiation into 23: 65.
voluntary initiation into 23: 102-107.
- Kótite**. *See* **Cochití**.
- Kotka**
a Honau chief 19: 604.
badge of, in Flute ceremony 21: 29.
mask of Honau clan kept by 21: 111.
similarity of mask of, to that of Ke Towa Bisena 21: 112.
similarity of mask of, to those of Wiki and Naha 21: 109.
- Kotlik**
crania 46: 286, 290.
mention of 46: 75, 82, 164.
- Kotlik Point** 46: 199.
- Kotsa'i**, a Comanche band 14: 1045.
- Ko'tso-tě'ka**, a Comanche band 14: 1045.
- Kotso'-tikāra**, name applied to the Bannock 14: 1051.
- Kotzebue, Otto von**
mention of 46: 214, 219, 231.
on Indians at San Francisco mission 24: 248.
on stick game, Tlingit 24: 246.
- Kotzebue** 46: 98, 99, 114, 118, 167, 204.
- Kotzebue Sound**
archeology of 46: 173, 363.
ceremonial objects from 18: 416.
clothing from 18: 38, 40.
connections 46: 319.
dialect of people of 18: 25.
Eskimo 46: 214, 215, 219, 224, 227, 228.
implements and utensils from 18: 82, 84, 86, 88-93, 104, 108, 110, 114, 115, 124 sq., 130, 149, 165, 173, 186, 190, 191, 193.
legends from 18: 515 sq.

Kotzebue Sound—Continued

- mention of 46: 127.
- old sites of 46: 171, 203, 204.
- ornaments from 18: 48, 59 *sq.*
- people of 18: 26.
- physical characteristics of people of 18: 29.
- ruins on 18: 264.
- talisman observed at 18: 436.
- tobacco implements from 18: 277, 281, 284.
- transportation apparatus from 18: 220, 221, 224, 227.
- visit by E. W. Nelson to 18: 21.

Kotzebue Sound Skulls

- basiofacial diameters 46: 279, 282.
- dental arch 46: 276.
- facial 46: 266.
- facial angles 46: 285.
- means 46: 286.
- mention of 46: 232, 233, 237, 260, 262, 263.
- nose 46: 268, 270.
- orbits 46: 274.

Koubouya, low house of Cayenne 38: § 312.**Koukpagmiut** 46: 229.**Kouksoarmiut**, Eskimo tribe, situation of 6: 463.**Koutaine**, a synonym of Kutenai 14: 731.**Kowak River**

- clothing of people of 18: 33, 34.
- implements from 18: 114, 156, 162, 164, 194.
- physical characteristics of people of 18: 28.
- tattooing of 18: 50.

Kowako

- application of, in Soyaluña 21: 25.
- comparison of, with others 21: 81.
- description of 21: 80.
- time of introduction of, into the Katsina cult 21: 81.

Ko-wee-jow, name applied to Wovoka 14: 767.**Kowwassayee**

- a K'ka'sáwi synonym 14: 738, 739.
- See also Yakima.*

Koyate land cessions and reservations 18: 782.**Koyemci**

- account of 47: 521, 946-958.

Koyemci—Continued

- description of, by Cushing 47: 948 *sq.*
- duties of 47: 950.
- See also Kóyemshi.*

Ko'yemshi

- costume of 23: 67.
- dancing of 23: 161.
- dialogue between, and ^tKiäklo 23: 72.
- night ceremonies of, in 1896 23: 254 *sqq.*
- offerings made in baskets to 23: 273.
- prayer plumes of 23: 149.
- retirement of, and accompanying ceremonies 23: 273-283.
- song of 23: 68-72.
- users of masks of 23: 147.
- See also Koyemci; ^tSi' ^tsikia.*

Koyeti, hoop and pole games of the 24: 482.**Koyimsi; Kóyimse**

- description of 21: 107.
- of the Hopi 17: 659.
- participation of, in Powamû dance 21: 32.

Koyona

- description of 21: 80.
- time of introduction of, into the Katsina cult 21: 81.

Koyona Mana, personation of, in Powamû 21: 32.**Koyona Taka**, personation of, in Powamû 21: 32.**Koyukuk-Khotana** 46: 130.**Koyukuk River**

- Indians, massacre by, at Nulato 46: 128.
- Indians, numbers of 46: 131, 132.
- mention of 46: 52, 127.
- ornaments from 18: 48.

Koyukuk Trail, from Burchell's 46: 46.**Koyukuk Village** 46: 52, 137, 138.**Koyukun Indians**, of Alaska, character of 9: 50, 51.**Koza**, synonym for Coosa 42: 70.**Krameria Parvifolia**, Pima medicinal plant 26: 80, 118.**Krashenninikoff**, —, cited on Eskimo remedies 9: 472, 473.**Krause, Dr. Aurel**

- cited on Tlingit witchcraft and shamanism 26: 471.

Krause, Dr. Aurel—Continued
 mention of 46: 331, 333, 343, 370.
 on Mountain Dweller 26: 433.
 on stick games, Tlingit 24: 46.
 on Tlingit clans 26: 410, 412 *sqq.*
 on tossed ball, Tlingit 24: 709.
 work of, on Tlingit 26: 395.

Krause Brothers

cited on Eskimo archery 9: 207.
 cited on Eskimo bolas 9: 246.
 cited on Eskimo fowl hunting 9: 278.
 quoted on Eskimo burial 9: 426.
 quoted on Eskimo property customs 9: 428, 429.

Krausenstern, Cape 46: 99.

Krautbauer, F. X., on synonym for Menomini Indians 19: 1048.

Kremer, E. N., implement found by 41: 43.

Kretschmar, H. R., commissioner to appraise confiscated property of Cherokee 5: 351.

Krieger, Herbert W.

collection made by 44: 17.
 mention of 46: 144, 153, 154, 158, 174; 48: 4.
 work of 43: 12; 45: 12 *sqq.*

Kroeber, Dr. A. L.

acknowledgments to 28: 225; 29: 12; 30: 38.
 Arapaho myths related by 24: 619, 630.
 bulletin by 42: 16.
 cat's cradle (Ita Eskimo) figured by 24: 769.
 collaboration of, in comparative philology 23: xxxiv.
 handbook by 38: p. 17.
 linguistic researches of, in California 23: xxxv.
 manuscript deposited by 36: 28.
 material collected by 24: 56, 71, 271, 384, 404, 501, 549, 556, 622, 663, 706, 735, 751, 753.
 mention of 41: 374.
 notebooks from 37: 26.
 on Arapaho language 28: 235.
 on ball juggling, Ita Eskimo 24: 712.
 on buzz, Ita Eskimo 24: 753.
 on Cheyenne myths 19: 441, 449, 452, 465 *sq.*
 on Cheyenne prefix 28: 236.

Kroeber, Dr. A. L.—Continued

on Eskimo myths 19: 443.
 on football, Ita Eskimo 24: 701.
 on hand-and-foot ball, Gros Ventres 24: 706.
 on hand game, Gros Ventres 24: 271.
 on hoop and pole, Arapaho 24: 443.
 on hoop and pole, Cheyenne 24: 446.
 on hoop and pole, Uncompahgre Ute 24: 501.
 on ring and pin, Ita Eskimo 24: 549.
 to prepare volume on California Indians 34: 24.
 work of 24: xxiii, xxvi; 26: xxi, xxvi; 36: 27 *sq.*; 37: 26; 39: 23.

Krüg, L., on Porto Rican pictography 25: 149.

Kruhm, Henry, steatite quarry on farm of 15: 127.

Kta-i Tupakshi, *Standing Rock*, Oregon 10: 106.

K'tātās, a Piskwaus band 14: 736.

K'tātās-lé'ma, a K'tātās synonym 14: 736.

Ku 33: 303, 649, 654.

Kua-ke. *See* Quake.

Kualii

mention of 33: 626, 642.
 song of 33: 296, 313, 316, 319, 320, 339, 635.

Kualing, 46: 203.

Kuamma, bamboo flute 38: § 560.

Kuapakaa 33: 301, 312, 316, 324, 620, 650.

Kuari, black dye 38: § 30.

Kuáru River, Alaska, position of 9: 29.

Kuatami. *See* Siletz Reserve.

K'úato; K'u'ato

a Kiowa division 14: 1079, 1080.
 account of 17: 157, 227, 229.
 dialect of the 17: 390.

Kuauamoa 33: 663.

Kubary, J. S.

on Melanesian labretifery 3: 80.
 on Samoan deformation of the head 3: 148.

Kubok 46: 204.

Kuch, meaning of 16: 225.

- Küchaptüvela**
 former site of Walpi 17: 578.
 ruin, description of 17: 585.
- Küdyigi**, use of term by Eskimo 9: 79 sq.
- Kuehne**. See **Kino**.
- Kuhl, J.**, mention of 46: 333, 336, 370.
- Ku-itc Villages**, location of 7: 134.
- Kuiu island**, source of Tlingit clans 26: 408.
- Kuiu**, Tlingit town 26: 397.
- Kuiu**, *Tlingit tribe*
 clans and house groups of 26: 401.
 history of 26: 410.
 mention of 26: 396.
 phratries and clans of 26: 399.
 related to Henya 26: 408.
- Kuiukuk** 46: 188.
- Kujulik** 46: 188.
- Kukailani** 33: 635.
- Kukak** 46: 187.
- Kukaniloku** 33: 339.
- Kūk Hit tǎn**, *Tlingit clan*
 history of 26: 412 sq.
 phratry and tribe of 26: 400.
- Kukulcan**, elements of the term 16: 225.
- Kukuliak** 46: 212.
- Küküchomo Ruins**, description of 17: 586.
- Kükütc Clan**
 house of, entrance of Pamürti procession into 21: 28.
 house of, Teakwaina masks in 21: 29.
 member of Patki group, mention of 19: 596.
 prayer stick given to member of 21: 30.
- Kükütc-Tuwa**, Lizard-Sand clan,
 advent of, at Walpi 19: 585.
- Kukutcomo**, habitation of, by Isauú clan 21: 112.
- Kükwak!um** 35: 806, 811.
- Kulanapan**
 and Chimarikan verbal correspondences 7: 63.
 family, mention of 7: 87 sqq.
 stock, implements employed by, in stick games 24: 227.
 stock, tribes of the 24: Gualala 284, 594.
 Pomo 131, 247, 289, 413, 478, 550, 594, 771.
- Kulepe** 33: 663.
- Kulimina**
 legends concerning 30: 126.
 woman created by 30: 126, 142.
- Kullas-Palus**, a synonym of Pend d'Oreille 14: 731.
- Kulúiaagua**, *Meade River, Alaska*
 description of 9: 29.
 Eskimo fishing in 9: 58.
- Kulukak** 46: 251, 252, 256.
- Kululin** 46: 208.
- Kulvagavik** 46: 192.
- Kulwoguwigumut**
 implements and utensils from 18: 69, 85 sq., 114.
 ornaments from 18: 45, 46.
 tobacco implements from 18: 279.
- Kumbi Natacka**
 description of 21: 72.
 participation in Powamû festival by 21: 67.
- Kumlien, Ludwig**
 acknowledgment to 6: 409.
 cited 6: 412, 471, 474, 475, 482, 483, 524, 549, 550, 567, 589, 596, 606, 607, 610.
 on Eskimo amulets 9: 437.
 on Eskimo archery 9: 207.
 on Eskimo arrows 9: 201.
 on Eskimo childbirth customs 9: 415.
 on Eskimo fishing 9: 287.
 on Eskimo harpoons 9: 221.
 on Eskimo knives 9: 161.
 on Eskimo lance 9: 242.
 on Eskimo masks 9: 370.
 on Eskimo snowshoes 9: 352.
 on Eskimo umiak 9: 343.
 on exchange of wives by Eskimo 9: 413.
 on marriage ceremonies of Eskimo 9: 411.
 on method of carrying infants by Eskimo 9: 416.
- Kumlien Mounds**
 location of 37: 99.
 number of 37: 100.
- Kumpa**, office of 47: 258.
- Kumu**, a name for turu drink 38: § 270.
- Kumukahi** 33: 627.
- Kuñchalpi**, probable original home of Patki clans 19: 597.
- Kunkaak**, meaning of 17: 124 sqq.

- Kûnmûdliñ**, habitat of 9: 43, 45, 46, 47.
- Kunneseë**, part taken by, in Creek war 19: 97.
- Kunque**
analogy of, to flour in Spanish carnival 9: 509 *sq.*
use of, by Apache and Pueblo 9: 508-511.
- Kunti**, application of the name 42: 692.
- Kûn'ûgân**, history of 18: 306.
- Kunz, G. F.**
on Chiriquian methods of plaiting 6: 39.
on use of insects as models in casting metals 6: 38.
- Kupreanof Island**, people of 26: 410, 411.
- Kupua** 33: 300 *sqq.*, 306, 620, 625, 629.
- Kupûñmîun**, habitat of 9: 45, 48, 49.
- Kurahus**
articles furnished by, in Hako ceremony 22, ii: 20.
ceremony and dress of 22, ii: 26, 58, 59, 60, 296.
duties of 22, ii: 19, 26.
gifts to 22, ii: 260.
meaning of title 22, ii: 15.
preparation for Hako ceremony by 22, ii: 26
preparation of, for journey to the sun 22, ii: 59, 60.
- Kuraua**, *Bromelia*
cultivation of 38: § 246.
for bow-strings 38: § 127.
for hammocks 38: § 459.
for leg ornaments 38: § 552.
for nets 38: § 201.
for twine 38: § 64-71.
for whips 38: § 842, 845.
- Kurile Islands**, use of harpoon flakes in 13: 171.
- Kurmuri**, lanceolate composite head arrow 38: § 137.
- Kurohara**, timber for boats 38: § 794.
- Kurok, The**, a memorial ceremony 41: 61.
- Kurri-kurri Bird**, cursing of, rain caused by 30: 267, 345.
- Kururumanni**. See **Kororomanna**.
95719°—33—37
- Kuruwatti**, *Renealmia esaltata*
for eye disease 38: § 927.
for tattooing 38: § 510.
pigment 38: § 28.
- Kurz, Frederick**
discussion of E. T. Denig by 46: 384 *sqq.*
journal of, copied for Bureau 41: 6.
manuscript of, in preparation 48: 13.
portrait of E. T. Denig painted by, mention of 46: 386.
- Kusa**. See **Coça**; **Coosa**; **Creeks**.
- Kusan**. See **Siletz Reserve**.
- Kusan Family**, mention of 7: 89.
- Kusharu**, a sacred place 22, ii: 284.
- Kushibir**, level for hammock making 38: § 466.
- Ku'shilowa**
location of 23: 131.
prayer plumes deposited at 23: 131.
- Ku'shpêlu**, a synonym of **Pend d'Oreille** 14: 731.
- Kushunuk**
bladder feast at 18: 382-391.
carving of mythic animal from 18: 447 *sq.*
collections from 18: 196.
description of 18: 249 *sq.*
implements and utensils from 18: 69, 72, 87, 103, 104, 106, 107, 109, 110, 141-144, 148, 149, 155, 162 *sqq.*, 167-170, 172, 189, 191, 192.
manufactures from 18: 204.
mention of 46: 170.
mortuary customs at 18: 317.
ornaments from 18: 46, 62.
people of 18: 26.
personal adornments of people of 18: 45.
tobacco implements from 18: 273-280.
toys from 18: 345 *sq.*
transportation apparatus from 18: 220, 224, 226.
- Kushutuk**
mortuary feast at 18: 378.
ornaments from 18: 55.
- Kusilvak**, branch of Yukon, people living on 18: 26.
- Kuskokwagmut**, range of 18: 26.
- Kuskokwim Bay** 46: 191, 193.

Kuskokwim River

- archeology of 46: 165.
- ceremonial objects from 18: 400-403, 406, 408-412.
- clothing of people of 18: 32, 36, 41, 43.
- Eskimo 46: 225, 361.
- explorations of 18: 19; 46: 126, 127, 128.
- implements and utensils from 18: 68, 74, 83, 87, 92, 106, 107, 137, 143, 145, 147.
- inquiries about 46: 49.
- manufactures from 18: 204.
- masks from 3: 129-132.
- memorial images on 18: 319.
- natives from, on the Yukon 46: 67.
- old sites 46: 171.
- ornaments from 18: 45, 58, 60.
- people living on 18: 26 sq.
- portage to Yukon 46: 127.
- totemic carving from 18: 323 sq.
- toys from 18: 346.
- transportation apparatus from 18: 223, 225.

Kuskovak 46: 192.

Kuslevak Mountains, houses at base of 18: 248.

Kut 46: 195.

Kutca, description of 21: 106.

Kutca Mana, description of 21: 106.

Kutca Natacka, description of 21: 72.

Kutcahonauû, employment of, to draw picture of kateinas 21: 13.

Kutchu-Kutchin 46: 130, 150.

Kutchin

- hand game of the 24: 272.
- mention of 46: 130.
- population of the 7: 56.

Kutenai Indians

- account of the 14: 731.
- association of, with Pend d'Oreilles 45: 319 sq.
- bags made by 45: 220.
- change in territory of 45: 319.
- characteristics of 45: 325.
- divisions of 45: 306.
- habitat of 14: 805; 45: 306 sq.
- hand game of the 24: 276, 285 sqq.
- name of, in sign language 45: 147.
- paper on, mention of 40: 17.
- population of 45: 314.

Kutenai Indians—Continued

wars of, with Coeur d'Alène 45: 124 sq.

wars of, with Okanagan group 45: 258.

See also Kootenai Indians.

Kutenai Language, grammar of 26: xxii.

Kutenai Tales 36: 31.

Kutenay. *See Kitunahan Family.*

Kutnahin, Chitimacha chief diety 42: 707.

Kutneha, a synonym of the Kutenai 14: 731.

Kû'tsano't, a former Yakima chief 14: 737.

Kutz

definition of 16: 261.

symbol in Troano Codex 16: 240, 263.

Ku-ukâmûkam, Apache chief 26: 54.

Ku'u Ki, Pima village 26: 23.

Kuvik, Pima magician 26: 349.

Kuwapi, account of Messiah by 14: 799.

K'luxine'dî, Tlingit clan

crests of 26: 417.

phratry and tribe of 26: 398.

Ku-yamma, fish trap 38: § 194.

Kuyawas, a Kiowa synonym 17: 149.

Kuye'dî, Tlingit clan

history of 26: 410.

phratry and tribe of 26: 399.

Ku-yu, glass bead apron 38: § 550.

Ku-zhi-si-e, assistance rendered by 42: 14.

Ku'-zhi-wa-tse

an Osage warrior 39: 177.

military honors of 39: 178.

Kvichak 46: 190.

Kvigak 46: 194.

Kvigatluk 46: 194.

Kvig-miut 46: 200.

Kviguk 46: 199.

Kvikhtag 46: 196.

Kvinkhak 46: 200.

Kvit-Tsow, name applied to Wovoka 14: 765.

Kwaa, Antelope priest, description of 19: 984 sq.

Kwactapabi, Ala-Leñya clan at 19: 591.

Kwacus Alek taka

derivation of 21: 125.

description of 21: 108, 109.

Kwa'hădi, a Comanche band 14: 1045.**Kwăhadi Comanche**

hostile attitude of 17: 188, 193.

hostility of, in 1874 17: 202.

medicine-man of 17: 201.

Kwahadk'

allies of Pima 26: 200.

as potters 26: 124, 129, 130.

cattle introduced by, into Pimería 26: 85.

epidemic among 26: 59.

in fights with Apache 26: 53 *sq.*

intermarriage with Pima 26: 186.

in "tizwin drunk" at Gila Crossing 26: 63.

paint brushes made by 26: 104.

teeth 26: 160.

trade with Pima 26: 96, 124, 129.

treatment of 26: 58.

Kwahadt. *See* Quahatika.**Kwahu**

appearance of, in Soyaluŋa 21: 25.

description of 21: 77.

personation of, in Pamūr̄ti 21: 27, 29.

personation of, in Powam̄ 21: 32.

personation of, in Teivato kiva 21: 30.

Kwaiantikwoket, habitat of 7: 110.**Kwaituki**, description of ruin of 8: 56 *sq.***Kwakiutl**

chitons not eaten by the 35: 483.

cradling of infant of 35: 666.

customs concerning birth 35: 651-657.

customs concerning canoe building 35: 615.

customs concerning currants 35: 616.

customs concerning drinking before meals 35: 377.

customs concerning eating 35: 607, 750.

customs concerning felling of trees 35: 617.

customs concerning fern roots 35: 521 *sq.*, 616.

customs concerning fish cleaning 35: 382.

Kwakiutl—Continued

customs concerning halibut spawn 35: 378.

customs concerning kelp fish 35: 393.

customs concerning new berry-baskets 35: 607.

customs concerning rinsing mouth 35: 377.

customs concerning salmon 35: 304, 328, 329, 609.

customs concerning sea-slugs 35: 476.

custom concerning seals 35: 607, 608.

customs concerning stripping of cedar bark 35: 131, 616.

customs concerning twins 35: 674.

customs regarding blood of halibut 35: 1324.

customs regarding breath of warriors 35: 1366, 1372.

customs regarding fishing tackle 35: 1323.

customs regarding hauling of halibut 35: 1323.

customs regarding use of hemlock wreaths 35: 1364 *sq.*

customs regarding warriors' wives 35: 1367.

deformation of head among 35: 670.

games of the 24:

bean shooter 760.

dice games 131, 189, 196.

hand game 319 *sq.*, 321.

hidden ball 370.

hoop and pole 421, 519-522.

quoits 725.

ring and pin 528, 559.

shuttlecock 718.

stick games 263.

unclassified games 784 *sqq.*

intermarriage with Tlingit 26: 423.

language of the 26: *xxi.*

manner of cooking perch 35: 411.

manuscript on, by Dr. F. Boas 37: 20.

marriage customs among 17: 286*.

myth of the 10: 479.

mythology of the 24: 521.

no distinction in terms between paternal and maternal lines 31: 495.

paper on 40: 17.

Kwakiutl—Continued

- removal of, to Fort Rupert 35: 976 sq.
 secret society dances of 26: 436.
 settlement of, at Qālogwis 35: 1386.
 shaman of 35: 728.
 social divisions of 35: 795–835.
 tattooing of 10: 407.
 totemic carvings of 10: 391.
 tribe, mention of 7: 129.
 weather charm of 35: 630.
- Kwakrsân**, exploit of 26: 44.
- Kwakwantû**
 a society of Patki clan 19: 595.
 religious society at Walpi, source and census of 19: 623, 629.
- Kwakwantû Fraternity**, ceremonies celebrated by 21: 23.
- Kwálakwai**, Hano tradition related by 8: 35.
- Kwamaraka**, evil due to 30: 349.
- Kwa-muhu**, legend concerning 30: 129.
- Kwana**. *See* Parker, Quana.
- Kwapa**
 account of the 15: 193.
 a Çegiha division 15: 162.
 beliefs, reference to 11: 393.
 beliefs, researches concerning 11: xxxii.
 gentile organization of the 15: 229.
 language, study of 15: XLVIII, LIII.
 origin of the 15: 191.
 study of the 15: LXXIII.
- Kwataka**, a Hopi monster 17: 691.
- Kwatoka**
 bird personation of, representative of sun 21: 122.
 Hano name for 21: 126.
- Kwavanompi**, religious society from, at Walpi 19: 623.
- Kwavonampi**, home of Pakab clans 19: 608.
- Kway**. *See* Kuyu.
- Kwayo**
 appearance of, in Soyaluña 21: 25.
 comparison of, with others 21: 81.
 personation of, in Pamürti 21: 27, 29.
- K!wēk!waxā'wē**, a name of Raven 31: 645.
- Kwe'lele**
 a Zuñi deity 30: 56.
 costume and decoration of 23: 134.

- Kwetcap tutwi**, sacred pueblo of the Snake people of Tusayan 8: 18.
- Kwewû**
 derivation of 21: 125.
 description of 21: 103.
 picture of, in house of war god 21: 25.
- Kwēxa** 35: 811.
- Kwēxag-ila** 35: 1221.
- Kwiguk** 46: 199.
- Kwikak** 46: 198.
- Kwikhpak** 46: 127.
- Kwikluak** 46: 199.
- Kwikpak** 46: 199.
- Kwikwû'lit**, sketch of the 14: 741.
- Kwinak** 46: 191.
- Kwiñapa**, site of old Patki pueblo 19: 597.
- Kwirana Society**, reference to 29: 551.
- Kwiyamä' 'A'**, reference to 40: 501.
- Kwohitsauq**, a name applied to Wovoka 14: 765, 771.
- Kwû'da**, a Kiowa synonym 14: 1078.
- Kwû'dä'**, a Kiowa synonym 17: 149, 152.
- K'yäkima**, a town of Cibola 13: 326.
- Kyäklo**, impersonation of 47: 690.
- Kyä'klu**, a Zuñi personage 15: 312.
- K'yä'klu** of Zuñi mythology 13: 406.
- Kyamüryawû**, ceremonies celebrated in 21: 21.
- Kyaways**, a Kiowa synonym 17: 149.

L

- La Asumpta**
 Anza expedition at 44: 48.
 Portola expedition at 44: 37, 42.
- La Brea Canyon**, asphalt from 44: 105.
- La Carpinteria Creek**, mention of 44: 35.
- La Crosse, Wis.**, copies made of pictographs near 10: xiv.
- La Flèche, Francis**
 acknowledgment to 11: 362.
 cited in Omaha Sociology 3: *passim*.
 cited on beliefs 11: 373.
 cited on berdaches 11: 378.
 on fetishism 11: 413.
 quoted on Indian beliefs 11: 420, 524.
 quoted on shamanism 11: 393.
See also La Flesche, Francis.

La Flèche, Joseph

- acknowledgment to 11: 362.
- cited in Omaha Sociology 3: *passim*.
- cited on Indian beliefs 11: 371, 386, 526.
- cited on shamanism 11: 392.
- cited on Siouan customs 11: 390.
- on Omaha armor 13: 287.
- on Omaha arrowshafts 13: 286.
- on Omaha mats 13: 275.
- on Omaha saddles 13: 280.
- on Omaha war-clubs 13: 283.
- See also La Flesche, Joseph.*

La Flèche, Suesette, cited on fetishes 11: 416.**La Flesche, Dr. Francis**

- acknowledgments to 29: 12; 41: 494.
- aid rendered to Alice C. Fletcher by 22, ii: 13.
- as joint author 27: 14, 30.
- collections made by 33: 36; 39: 27.
- contributor to Bureau 48: 1189.
- ethnologic research by 32: 22.
- information furnished by 40: 377.
- mention of 32: 9.
- obituary of 48: 1221.
- on bull-roarer, Omaha 24: 750.
- on European games, Omaha 24: 797.
- on grass-stalk drills 13: 279.
- on hidden ball, Omaha 24: 366.
- on hoop and pole, Omaha 24: 516.
- on Indian ghost food 9: 527.
- on Omaha place names 29: 97 *sq.*
- on pop-gun, Omaha 24: 759 *sq.*
- on snow-snake, Omaha 24: 419 *sq.*
- on tops, Omaha 24: 747.
- papers by 42: 16; 44: 15.
- petroglyphs described by 10: 91 *sq.*
- quoted 41: 549, 591.
- researches of, among Osage 27: 69.
- retirement of 47: 14.
- special work by 32: 9.
- specimens collected by 34: 30; 37: 30.
- systematic research by 33: 26.
- wi'-gi-e obtained by 38: p. 8, 9.
- work of 30: 10; 31: 8, 20; 34: 18 *sqq.*; 35: 20 *sqq.*; 37: 14 *sqq.*; 38: p. 8 *sq.*; 39: 16 *sqq.*; 40: 8 *sq.*; 41: 10 *sq.*, 33, 57, 87, 111; 42: 13 *sq.*; 43: 9 *sq.*; 45: 6; 46: 10; 47: 8.

See also La Flèche, Francis,

La Flesche, Frank, on source of Omaha medicine rituals 14: 62.**La Flesche, Joseph**

- account of 27: 619, 631-634.
- death of 27: 224.
- references to 27: 30, 118, 624.
- remarks of 27: 638.
- tribal relics saved by 27: 222.
- See also La Flèche, Joseph.*

La Fort, D., Onondaga manuscript of 6: xxxi.**La Fortune, Father** — 46: 31, 86, 87, 172, 181.**La Harpe, Bernard de**

- cited 7: 61.
- mention of Kiowa Apache by 17: 251.
- on Dakota eating wild rice 19: 1085.
- on Dakota storing wild rice in home-made sacks 19: 1072.
- on Dakota use of wild rice 19: 1046.
- on Dakota villages 19: 1047.
- on Le Sueur building fort to effect treaty between Dakota and Ojibwa 19: 1039.

La Hontan, Baron A. L. de D. de cited 4: 113; 12: 675.

- cited on practices of Algonquian medicine-men 7: 151 *sq.*
- on Algonquian treatment of disease 14: 140.
- on Assiniboin habitat 15: 190 *sq.*
- on Huron games 24: 108, 243, 589.
- Oto met by 15: 195.

La Laguna, synonym for Syujtun 44: 41.**La Laguna de la Concepcion**, name for Syujtun 44: 40.**La Mano del Mundo**, Pima chief 26: 21.**La Metairie**, —, Arkansa noted by 15: 193.**La Natividad**, arrival of Alvarado at 14: 409.**La Paz**, colony at, under Cortez 14: 352.**La Pérouse, J. F. G. de**

- on hand game, Rumsen 24: 283.
- on hoop and pole, Rumsen 24: 472.
- on labrets 3: 87, 88.
- on stick game, Tlingit 24: 246.

La Petit, Mathurin, cited 12: 653.

- La Plata Valley** 4: 315.
- La Platte**, dice game, Pawnee 24: 101 sq.
- La Playa**, application of name to Burton Mound 44: 59.
- La Playe**, a synonym of Comanche 14: 1043.
- La Playes**, identification of 17: 166.
- La Pointe** of Lake Superior, treaties of 18: 776 sq., 794 sqq.
- La Pointe Chippewa**, land cessions and reservations by 18: 794, 796, 820.
- La Revetta**, ball game, Tarahumare 24: 677.
- La Salle**
in Matagonda Bay 42: 829.
in Mississippi Valley 14: 14.
- La Salle, Robert C.**
Kiowa Apache mentioned by 14: 1081; 17: 248.
on horses among Indians 17: 161.
on the Kwapa in 1681 15: 193.
quoted on use of corn by Indians in burials 9: 513.
- La Tour, Brion de**, on Acoma 29: 543, 545.
- La Valle Man Mound**
outline of 37: 97.
plat of, by Canfield 37: 102.
- La Vega, Garcilasso de**, cited 12: 626, 647, 649, 688.
- La Voy, Merle** 46: 31, 101, 103, 106, 112, 114, 167.
- Laa.** See **Gui**; **Quii**.
- Laala.** See **Gui**.
- Laälax-s'endayu** 35: 807.
- Laaptin**, a Sahaptin synonym 14: 744.
- Laari-api-niza** 16: 262.
- Laba.** See **Lapa**.
- Labadi, Agent** —, mission of, to Texan Indians 17: 181.
- Labaria Snake**, association of, with armadillo 38: § 165.
- Labba, Coelogenys** sp.
hunting of 38: § 164.
taming of 38: § 716.
- Labor** (= *toil*)
and sex, Guiana Indian 38: § 899-903.
assistance in, by clan 47: 39.
attitude toward 46: 553.
- Labor** (= *toil*)—Continued
cooperative 47: 477.
division of 11: 271, 542; 39: 288; 40: 339; 42: 384-388, 700; 45: 330, 453, 624; 46: 463, 505; 47: 33, 501.
division of, among the Kawia 26: 153.
division of, among the Pima 26: 150, 153.
division of, among the Pueblos 26: 153.
division of, between the sexes 44: 228 sq.
hours of 42: 399, 443.
See also **Occupation**.
- Labor** (= *parturition*)
mention of, Guiana Indian 38: § 904 sqq.
women in, treatment of 30: 322, 346.
See also **Childbirth**; **Lying-in**.
- Labphak**, bas-reliefs at 19: 672.
- Labrador**
coast of, reference to 28: 290.
difference of, from Yukon 46: 83.
Eskimo of 7: 73; 46: 227, 230, 318, 329.
Eskimo population of 7: 75.
ethnologic work in 10: xxiv.
ethnology of 11: 167.
myths from 11: 264.
researches in 41: 106.
skeletal remains in 46: 323, 364.
See also **Eskimo**, **Labrador**.
- Labrador Tea.** See **Ledum Groenlandicum**.
- Labretifery**
among the Tlingit 3: 82.
from Darien to Honduras 3: 77.
geographical distribution of 3: 79, 83, 86, 92.
in Brazil 3: 84.
in Central America 3: 84.
in Kadiak 3: 89.
in Mexico 3: 85.
in New Ireland 3: 86.
in Sitka 3: 87.
mention of 3: 77-92, 146.
north of Puget Sound 3: 87.
origin of 3: 147.
significance of distribution of 3: 82.
symbolic interpretation of 3: 81.

Labrets

- clay, occurrence of, eastern United States 20: 25, 43, 83.
- lancets for making incisions for 9: 144.
- of Alaska 46: 83.
- of the Eskimo 18: 44-50.
- of the Eskimo, description of 9: 143-148.
- of the Eskimo, glass stopples used for 9: 145.
- of the Tlingit 26: 437.
- plug for enlarging hole for 9: 144.
- sign of rank, Tsimshian 31: 431 note.
- tubes used for, by Indians 9: 497 sq.

See also Labretifery; Lip.

Lac Courte Oreille, first permanent Ojibwa settlement at 19: 1041.

Lac Courte Oreille Chippewa, selection of reserve for 18: 862.

Lac Courte Oreille Reserve
establishment of 18: 796.
removal of Indians from 18: 856.

Lac du Flambeau, first permanent Ojibwa settlement at 19: 1041.

Lac du Flambeau Reserve
establishment of 18: 794.
removal of Indians from 18: 856.

Lachesis Mutus. *See* Bush-master Snake.

Lachimi River

mention of 14: 553.

See also Yaqui; Yaquimi.

Lacinaria, species of, used medicinally 42: 660.

Lacinaria Pycnostachya, a life symbol 36: 135.

Lacinaria Scariosa
mention of 33: 133 sq.
use of 44: 290, 366.

Lackey, J. W., grant of land to 18: 671.

Lacombe, Rev. Albert

on Cree forms 28: 243, 246, 247, 248, 250, 252, 290.

on etymology of pemmican 14: 1067.

on *jeu de hasard* 24: 69.

reference to 28: 239, 241.

reference to work of 40: 28.

Lacooche, Fla., excavations at 47: 2.

Lacrosse

borrowed by the whites 24: 32.

ceremonial 37: 190.

game of 37: 120 sq.

origin of game of 14: 130.

played at adoption feast 40: 359.

played by the 24:

Chippewa 567.

Hurons 563, 564.

Miami 569.

Penobscot 571.

Sauk and Foxes 572.

Shawnee 573.

Skokomish 609.

Winnebago 616.

played by the Menomini 14: 244.

Lactuca Canadensis

medicinal constituents of 44: 304.

medicinal properties of 44: 301.

use of 44: 290, 350.

Lad and the Chestnuts, Iroquois tale 2: 97.

Ladd, G. T., on reality 20: CLXXXVIII.

Ladd, H. O.

on Pecos 29: 476.

on Picuris 29: 193.

on Puaray 29: 524.

on San Lazaro 29: 491.

on San Marcos 29: 551.

Ladder Design 41: 319, 320.

Ladders

arrangement of, in Tusayan kiva 8: 121.

bush-rope 38: § 787.

description of 8: 156-162.

for kivas, description of 47: 31.

openings for, in roofs 8: 205.

second-story terrace of Tusayan reached principally by 8: 182.

significance of position of, in kivas 8: 135.

used to enter houses 47: 29.

Ladles

clay, from Wolpi 2: 385.

clay, from Zuñi 2: 360.

collection of Indian 3: 56, 575.

from Awatobi, description of 17: 624.

from Pueblo ruins in Arizona, features of 22, i: 63 sq.

from Pueblo ruins in Arizona, figures showing 22, i: 62, 63.

Ladles—Continued

- from Sikyatki, description of 17: 655.
- Gulf Coast group 20: 106, 109, 110.
- of the Eskimo 18: 65-70.
- of the Eskimo, of bone 9: 104 sq.
- of the Eskimo, of horn 9: 104.
- of the Kwakiutl 35: 258, 259, 261, 276, 277, 292, 301, 333, 337, 339, 340, 341, 357, 362, 757.
- of the Nenenot 11: 302.
- of the Omaha 13: 277.
- wooden 42: 689.

See also Pottery.

Ladley, Lieut. O. D., time chart loaned by 4: 94.

Lady Fern. *See* **Athyrium Felix-femina.**

Lady Slipper

- in Cherokee lore 19: 420.
- use of 44: 289; 45: 506.

See also Cypripedium Hirsutum.

Lady's Bouquet 33: 115.

Laet, Juan de 25: 68.

Lafitau, Joseph François

- cited 1: 182; 12: 668, 674.
- cited on sacred powder of Indians 9: 512.
- illustration by, of council mats 13: 19.
- illustrations of uses of earthenware vessels from 20: 26, 32.
- on earthenware drums among Iroquois 20: 34.
- on Indian burial customs 5: 29.
- on Indian sugar making 20: 32 sq.
- on Pamunkey initiatory shelters 13: 14.
- on the use of shell pendants 2: 256.
- on the use of wampum 2: 243.
- on the use of wampum belts 2: 250.
- on tossed ball, Abnaki 24: 708.

Laguna, Juan Bautista de, on Tarasco numerals 19: 909.

Laguna

- abandonment of 13: 261.
- arrival of Asanyumu at 8: 30.
- clanship at 47: 352.
- collection from 2: 399.
- division in 47: 348.
- immigrants from, at Isleta 47: 205.

Laguna—Continued

- migration from 47: 348 sq.
- moiety traits of 47: 351 sq.
- population of 7: 83.
- pueblo, act of Congress affecting 18: 922.
- pueblo of 14: 525.
- reference to kateinas of 47: 1020, 1056, 1079.
- Snake rites at 16: 310.
- work at 19: xiv.

Laguna Colony of Oraibi 47: 348-537.

Laguna Dictionary 36: 28.

Laguna Fathers

- initiation ceremony of 47: 315 sqq.
- names of 47: 268.
- specialists among 47: 267.

Laguna Fathers Society

- origin of 47: 267.
- specialization within 47: 266.

Laguna Immigrants

- assimilation of 47: 353.
- list of 47: 349 sq.

Laguna Immigration, comparison of, with Tewa 47: 357.

Laguna Indians, Tewa name for 29: 574.

Lahannas, probable identification of 14: 732.

Lahontan. *See* **Arikara.**

Laidlaw Brothers, Iroquoian pottery collected by 20: 170.

Laielohelohe 33: 332, 628.

Läitanes, a synonym of the Comanche 14: 1043.

Lāku-ān. *See* **Klukwan.**

Lake, E. R., on absence of wild rice in Oregon 19: 1031.

Lake Andes, S. Dak., reference to 27: 73.

Lake Champlain

- occurrence of Iroquoian pottery near 20: 168.
- stone implements at 13: 63.

Lake Chapala, Cherokee in vicinity of 19: 146.

Lake Chelan, pictographs at 4: 26.

Lake Dwellings

- corn-crushers from 13: 87.
- fabrics from Swiss 3: 403, 412, 413, 418, 420.
- throwing-stones in 13: 99.

- Lake Erie**, trail to 42: 786, 840.
- Lake Erie Region**
Iroquoian occupation of 20: 169.
occurrence of Iroquoian pottery in 20: 171.
- Lake Flathead**, a name of the Pend d'Oreilles 45: 296.
- Lake George**, occurrence of Iroquoian pottery near 20: 168.
- Lake Huron**, tribes of 30: 19.
- Lake Huron Region**
Iroquoian occupation of 20: 169.
Iroquoian pottery from 20: 171.
pipes of 20: 173.
- Lake Indians**
account of the 14: 732.
basketry of 41: 133, 154, 155, 205, 413.
imbrication among the 41: 140.
shapes of baskets of 41: 138, 141.
- Lake Koshkonong**
archeologic map of 37: 99.
mounds of 37: 97, 98, 100 *sq.*
- Lake Long**, flat-topped mounds on 44: 411.
- Lake Maxeeniekuekee**, treaty of 18: 752.
- Lake Mendota**, effigy mounds at 37: 98.
- Lake Michigan**
reference to 27: 72.
tribes of 30: 19.
- Lake Michigan Region**
pottery from 20: 196.
resemblance of Canadian pottery to that of 20: 171.
resemblance of Piedmont Virginia ware to 20: 149 *sq.*
- Lake Nipigon**, pottery from 20: 197 *sq.*
- Lake of the Woods**, Manitoba
petroglyphs on 10: 43.
wild rice in 19: 1118-1124.
- Lake Ontario Region**, Iroquoian occupation of 20: 159, 169.
- Lake Powawney Kounay**, treaty of 18: 780.
- Lake St. John**, Wawenock descendants at 43: 176.
- Lake Superior**, Wis.
painting on body by Indians on 10: 620.
petroglyphs on 10: 126.
- Lake Tezcoco**, Mexico, ruins near 26: xiv.
- Lake Township, Pa.**, vessel from 20: 166.
- Lake Traverse Reserve**
discontinuance of 18: 942.
establishment of 18: 842.
- Lake Tribe**, *Washington*
derivation of the name 45: 198
Flathead name of 45: 300
Indian names for 45: 198, 199, 200.
intercourse of, with other tribes 45: 215.
name of, in sign language 45: 145 *sq.*
place names of 45: 211.
population of 7: 105.
possible origin of 45: 214 *sq.*
villages of 45: 210.
- Lake Tyrrell**, Australia, pictographs on bark from 10: 222.
- Lake Washington**, Miss., publication of illustrations of pottery from 20: 103.
- Lake Waubesa**, effigy mounds at 37: 98.
- Lake Wingra**, effigy mounds at 37: 98.
- Lake Winnibigoshish**, reservation at 18: 804.
- Lake Winnibigoshish Chippewa**, land cessions and reservations by 18: 802, 804, 826, 830 *sq.*, 874, 936.
- Lake Winnipeg**, references to 27: 80, 81, 612.
- Lakes**
in conception of Tewa 29: 52, 85
named from wild rice 19: 1118-1124.
sacred to 29:
San Ildefonso Indians 251, 263 *sq.*, 309 *sq.*, 322.
Santa Clara Indians 251.
Taos Indians 178, 184.
Tewa Indians 351, 353, 356.
See also Cardinal Sacred Water Lakes.
- Lákmiut**, population of 7: 82.
- Lakone**, prayer-stick making 21: 22.
- Lakone Girls**, appearance of, in Lalakoñti festival 21: 58.

Lakone Mana

- derivation of 21: 124.
- description of 21: 118.
- variety in dress of different pueblos 21: 118.

Lakota, a synonym of the Sioux 14: 1057.

Lakota-Kokipe-Koshkala, Sioux name of Royer 14: 848.

Lalakofñti

- appearance of Lakone mana in 21: 118.
- difference of, from Butterfly festival 21: 58.
- duration of 21: 20.
- fraternities taking part in 21: 23.
- introduction of, into Tusayan by the Patki clans 21: 58.
- regular occurrence of, in September 21: 22, 58.

Lalakofñti Ceremony

- at Tusayan 16: 302.
- of the Hopi 15: 262.

Lalakofñtu

- prayer-stick making of 21: 55.
- religious society at Walpi, sources and clans of 19: 623, 629.
- winter assemblage of 21: 39.

Lalakofñtu Fraternity, ceremonies celebrated by 21: 23.

Lalemant, *Father* —, on dice games, Hurons 24: 109 sq.

Lalénkobáki, a female society of Tusayan 8: 134.

Lalogálga

- a White town 42: 124, 254.
- allocation of clans in beds at 42: 201-204.
- arrangement of square ground of 42: 215, 236.
- clan councils of 42: 124.
- clans of, furnishing chiefs and henihas 42: 192.
- clans, phratries and moieties of 42: 158 sq.
- mention of 42: 547.
- New Fire ceremony of 42: 589.
- plan of ceremonial ground of 42: 215, 238.
- position of beds at 42: 198.

Laloy, — 46: 332, 333, 351, 370.

Lamanon, on the Ecclemachs 7: 75, 76.

Lamar, M. B., attitude of, toward Texan Indians 19: 145.

Lamar, Mo., house mounds near 44: 540.

Lamar Papers, reference to 28: 16.

Lamat

- and *ceh* symbols, comparison of 16: 249.

day symbol, discussion of 16: 235.

Lamb, D. S., manuscript deposited by 36: 28.

Lamb, M. J., cited on New York's Indian policy 18: 576.

Lambat day symbol, discussion of 16: 235.

Lambi or **Lembi**, large shell used as signal horn 38: § 74.

Lamb's-quarter

- mention of 33: 78.
- use of, as food 30: 66.

Lame-Old-Man. See **Tóñp'ódal-kyä-to**.

Lamentin. See **Manati**.

Lamere, Oliver, acknowledgment to 37: 48.

Lamere and Radin, paper by, on Winnebago funeral 37: 148.

Lamina, for regularity in cotton-hammock weaving 38: § 466.

Lamplighters of the Eskimo 9: 106.

Lamprey

- Eskimo method of catching 18: 189 sq.
- Eskimo mythic animal resembling 18: 447.

Lamps

- absence of, Middle Mississippi Valley pottery 20: 82.
- clay 46: 147.
- clay, Bonasila 46: 147.
- clay, Little Diomedé 46: 95.
- in Eskimo feasts, use of 18: 364, 368.
- of the Eskimo 9: 105-109; 11: 229; 18: 63 sqq.
- ornate stone 46: 34, 55, 136, 173.

Lampson, L. M.

- material collected by 24: 192.
- on hidden ball, Tewa 24: 367 sq.

Lamson-Scribner, F.

- on *Oryzopsis exigua* 19: 1022.
- on popular synonym for wild rice 19: 1023, 1024.

Lamson-Scribner, F.—Continued

on scientific determination of wild rice 19: 1021.

on wild rice in District of Columbia, also in Delaware River 19: 1029.

Lamy, Archbishop Juan B., settlement named for 29: 480.

Lana day symbol, discussion of 16: 231.

Lana; Lauana. *See* Genipa.

Lana'xk, Tlingit town 26: 397.

Lancaster, Pa.

massacre of Conestogas at 20: 165.

trail through 42: 760, 761.

Lance, flight of, to Bad Lands 14: 884.

Lance, Medicine

capture of, by Kiowa 17: 272.

of Set-t'aiñte 17: 210.

of the Kiowa 17: 338.

Lance Points

Eskimo 18: 146-150.

large, slate 46: 99.

stone, Eskimo method of making 18: 91.

Lance-wood. *See* Yarri-yarri.

Lances

agate, of the Zuñi 30: 46.

description of 27: 448.

of the Eskimo 18: 145 *sqq.*

of the Eskimo, for bear 9: 240-244.

of the Eskimo, for deer 9: 240.

of the Eskimo, for whale 9: 240 *sqq.*

of the Omaha 13: 285.

use of 45: 115.

use of, Arapaho warriors 14: 988, 989.

use of, by Kiowa warriors 14: 990.

See also **Lance Points.**

Lancing among Eskimo, practice of 18: 309 *sq.*

Land

allotments to the Kiowa 17: 224.

amount of, devoted to Indian agriculture 7: 42.

apportionment by gentes in Tusayan 8: 29.

assigned to Spanish settlers 14: 374.

cession (Indian) in the United States 18: LI *sq.*, LIV-LVII, 527-949.

clearing of 38: § 228, 229

Land—Continued

communal 47: 34, 477.

cultivation of 42: 691.

discussion of title to 18: 527-538.

distribution of 33: 310, 627, 646, 649, 650.

division of, by the Navaho 17: 485.

Eskimo legend of origin of 18: 482 *sq.*

in Pima creation legend 28: 49.

Indian ownership of 7: 40.

Menomini 14: 31.

of darkness, Eskimo legend of 18: 511-514.

of the dead, Eskimo legend of 18: 488 *sqq.*

ownership of 42: 696; 45: 162.

primitive views on tenure of 18: LVI.

public ownership of 42: 336, 337.

rights to 46: 476 *sqq.*

status of the Menomini 14: 31.

town ownership of 42: 338.

See also **Lands.**

Land Cessions

Cherokee 19: 34, 45 *sq.*, 53 *sq.*, 60, 61, 68 *sq.*, 80 *sq.*, 84 *sq.*, 97, 98, 102, 106, 123, 139, 150, 153.

Chickasaw 19: 86.

laws against 19: 107, 134, 138, 141, 218 *sq.*

mention of 1: 249.

Osage 36: 44.

publication of paper on 19: xxx.

See also **Land; Lands; Royce, C. C.**

Land Otter

among the Tlingit 26:

crest animal 417.

house-group name 401.

in mythology 464.

name of gaming stick 444.

name of medicine 446.

notion concerning 458.

place in tribe 456.

representation of 468.

source of personal names 422.

use of animal's tongue 464.

as weather charm, Kwakiutl 35: 626, 628.

Land-otter Dance 35: 1034.

Land-otter Men 26: 436, 456 *sq.*

Land Severalty Bill, effect of, on northwestern tribes 14: 757.

Land Shells 33: 628.

Land Tenure, Indian system of 23:
xxxii sq.

Land Treaty

with Cheyenne and Arapaho 14:
899.

See also Treaty.

Land Turtle Dance, description of
47: 317 sq.

Landa, Bishop Diego de (?)

ahau symbol given by 16: 262.

ben symbol given by 16: 245.

ca symbol given by 16: 234, 238,
242.

caban day symbol given by 16:
254.

cauac day symbol given by 16:
259.

chicchan symbol given by 16: 229.

cib symbol given by 16: 252.

cimi symbol given by 16: 231.

cited 6: 348.

cited on Buluc-Ahau 16: 244.

cited on Maya sacrifices 16: 211.

cuen symbol given by 16: 241.

e symbol of 16: 224.

eb symbol given by 16: 243.

form of *akbal* symbol given by 16:
221.

i symbol given by 16: 218.

ik symbol given by 16: 215.

interpretation of symbols by 16:
263.

ix symbol given by 16: 248.

kan symbol given by 16: 226.

ku symbol given by 16: 224.

lamat symbol given by 16: 235.

le symbol interpreted by 16: 240.

ma symbol given by 16: 211.

men symbol given by 16: 250.

muluc symbol given by 16: 237.

o symbol given by 16: 218, 224.

oc day symbol given by 16: 239.

on calendars 3: 38, 40.

on Mayan chronology and arithmeti-
cal methods 22, i: 252, 253, 274,
282.

on stilts, Maya 24: 731.

on symbols in codices 19: 670 sq.

on use of *ahau* 19: 717 sq.

on Yucatan temples 25: 242.

Landa's Alphabet, insufficiency of
6: 259, 347.

Lander, George W., effect of attempt
of, at civilizing Zuñi 23: 130.

Landing, old name for Norwich 43:
231, 254.

Landing Basket 38: § 423.

Landing Net 38: § 201.

Landmarks

by pictographs 4: 61, 182.

Guiana Indian 38: § 779-783.

legends concerning 30: 238.

Lands

allotment of 27: 33, 247 sq., 636-
640.

allotment of, to Ponca 27: 41.

cessions of, to Pawnee 27: 89

cessions of, to Quapaw 27: 67.

cessions of, to United States 27: 72,
75, 89, 100, 624.

Cherokee, fixing of boundaries of
19: 138.

Cherokee, lottery of 19: 117.

East Cherokee, adjustment of title
to 19: 173 sq.

of the Osage, rich in minerals 36:
45.

original allottees 27: 642-654.

*See also Land; Land Cessions;
Reservations; Severalty Act;
Treaties.*

Landslide, Tewa name for 29: 52.

Lane, H. P., earthworks and mounds
on farm of 5: 26; 12: 99.

Lane, Samuel, mound on farm of,
Tennessee 12: 391.

Lane, William Carr

linguistic literature of 7: 17.

on Isleta 29: 529.

on Picuris 29: 193.

on Pueblo languages 7: 122.

on San Ildefonso 29: 305.

on Sia 29: 518.

on Tesuque 29: 387.

Lang, Andrew, quoted on primitive
beliefs 11: 368.

Lang, J. C., archeologic collections of
15: 18.

Langenbeck, — analysis of clay by
26: 125.

Langlade, C. de

and the Pontiac conspiracy 14:
130.

Braddock defeated by 14: 16.

Indian council under 14: 18.

Langley, S. P.

acknowledgments to 17: 20, 528.

letter of transmittal to 22, i: III.

Langlois, A. B., on wild rice in Louisiana 19: 1030.**Langsdorff, —**

on Aleut labrets 3: 91.

on Kadiak labrets 3: 89.

on masks 3: 128.

Language

Arapaho, characteristics of 14: 1012.

as a basis of classification 14: XXIX.

Cheyenne, characteristics of 14: 1027.

Comanche, characteristics of 14: 1046.

development of 14: xxxi; 18: xli sq.; 22, i: xxx sq.

difficulties of interpreting Indian 14: 394.

discussion of 27: 605 sqq.

diversity of 1: 28.

diversity of, among Plains Indians 14: 582.

emotional, evolution of 20: cxl-cxliv.

evolution of 1: 3-16.

gesture, evolution of 20: clxiv sq.

Guayma, notes on 17: 78, 96, 101.

Hopi, composite nature of 21: 18.

Kiowa 17: 389 sq.

Kiowa, characteristics of 14: 1080 sq.

Kiowa, taboo of words in 17: 152, 231, 345, 346, 349, 355, 399.

limitations to the use of, in study of anthropology 1: 78, 81.

logistic, evolution of 20: clxix sq.

Malemut, example of 18: 349.

Menomini, effect of intermarriage on 14: 36.

Menomini, foreign terms in 14: 161.

Menomini, publications in 14: 294.

modification of the Eskimo 11: 176.

myth of origin of 31: 472.

new words introduced into 27: 620 sqq.

of certain Zuni songs 23: 486.

of Eskimo tribes, comparison of 18: 25.

Language—Continued

of Indians, development of 18: xlii sq.

of Menomini cult rituals 14: 60.

of the Asa and Hano of Tusayan 8: 37.

of the Assiniboin 46: 402, 625.

oral, evolution of 20: cxliv-clxiv.

Osage, present use of 36: 46 sq.

Paiute, characteristics of 14: 1050.

Pima, vocabularies of 26: 269 sq.

primitive egoism reflected in 19: 831 sq.

primitive theories upon 1: 282.

processes of 1: 3-8.

progress of research in 17: xxxiv sq.

Seri 17: 10, 78, 95 sq., 97, 101, 102, 103, 104, 108, 296*-344*.

Sioux, characteristics of 14: 1060.

Sioux, dialects of the 14: 1058.

Tewa, reference to 29: 37.

Tlingit, relationship with Haida 26: conclusions 485.

lexical similarities 475-485.

phonetics 472.

roots and stems 472 sqq.

structure of sentence 475.

word composition 474 sq.

Unalit, examples of 18: 232-241, 348, 475-479.

written, evolution of 20: clxv-clxix.

*See also Glossary; Languages; Linguistics; Vocabulary.***Languages**

American, origin of, in Asia 46: 175.

change in use of 45: 216.

cognate 7: 11, 12.

creation of different 32: 538.

differentiation and development of, require great length of time 12: 729.

difficult to learn 45: 326.

evolution and integration of 20: clxiii sq.

Indian, comparative synopsis of 23: xxxiv.

Indian, disappearance of 40: 1.

Indian, Handbook of 34: 26; 40: 17.

interest of missionaries in 42: 678.

of the Southeast 42: 677 sq.

Languages—Continued

- of Tusayan, tradition regarding difference in 8: 36.
- preservation of 46: 405.
- Pueblo, resemblances among 29: 521.
- See also Chinook Jargon; Language; etc.; and names of different languages.*

Lanman, Charles

- on Charley's escape and surrender 19: 131.
- on Cherokee myths 19: 417 *sq.*, 431 *sq.*, 438 *sq.*, 443 *sq.*, 450, 475.
- on Georgia gold lottery 19: 117.
- on Junaluska 19: 164.
- on Southern gold fields 19: 221.
- on Col. W. H. Thomas 19: 162.
- visit to East Cherokee by 19: 166.

L'Anse Chippewa, land cession and reservations by 18: 794, 874.**Lansing Man, the** 24: XI, XII.**Lansing Skeleton, discussion of** 44: 471-484.**Lantern Hill, reservation near** 43: 254.**Lao day symbol, discussion of** 16: 262.**Lap(p).** *See Apron.***Lapa day symbol, discussion of** 16: 235.**Lapham, I. A.**

- figures of mounds by, reference to 12: 537 *sqq.*
- graphical representation of effigy mounds by 12: 532.
- Man mound described by 37: 102.
- mention of 12: 537, 604, 707, 708.
- mounds described by 12: 47.
- on influence of wild rice on geographic nomenclature 19: 1120, 1121.
- on Wisconsin mounds 5: XXI, 14, 17, 21, 22.
- work of, on mounds 37: 76.

Laplâko

- allocation of clans in beds at 42: 201-204.
- arrangement of square ground of 42: 220 *sq.*, 254, 255.
- at Tukabahchee busk 42: 559, 568.
- clan councils of 42: 125.
- clans of, furnishing chiefs and henihas 42: 193, 194.

Laplâko—Continued

- clans, phratries and moieties of 42: 159 *sq.*
- plan of "rallying ground" of 42: 256.
- position of beds at 42: 198.
- Upper Creek Red town 42: 125, 255.

Lapland, pictographs in 4: 239.**Laporte, Ind., pottery from** 20: 191.**Lappula Hispida** 45: 474.**Lapükti, description of** 21: 86.**Lapwai, mission established at** 14: 745.**Lapwai Valley, treaty of** 18: 826.**Lara, Alonso Manrique de, companion of Coronado** 14: 477.**Lara, Miguel de, mention of** 47: 28.**Laramie Treaty**

- effect of 46: 467.

- reference to 46: 431.

L'Arbre Croche, treaty of 18: 700.**L'Arbrecroche Chippewa, reservation for** 18: 810.**Larch**

- medicinal use of 45: 475.

- western, use of 45: 493.

Larch River, description of 11: 171.**Lard, Menomini fondness for** 14: 286.**Large, Serian and Yuman words meaning** 17: 337* *sq.***Large Village, location of** 27: 86, 99.**Lariats of the Omaha** 13: 280.**Larix Laricina**

- medicinal constituents of 44: 304.

- medicinal properties of 44: 301.

- use of 44: 290, 352, 377.

Larix Occidentalis 45: 475, 493.**Lark, Cherokee name for** 19: 281.**Larkin, Frederick, cited** 12: 509.**Larkspur, use of** 45: 502, 506.**Larrabee, C. F., special Indian agent** 17: 215.**Larrea Mexicana. *See Creosote Bush.*****Larson Bay** 46: 186.**Lartet, Edouard**

- mention of 46: 333, 370.

- reference to 4: 82.

Lartielo, a Spokane synonym 14: 732.

Larvae

- of bees, wasps, etc., eaten 38:
§ 226.
- of beetles 38: § 224.
- of frogs 38: § 218.
- use of, as food 14: 287.

Las Animas Ruins, trap-door frames
in 8: 206.**Las Casas**

- as a historian 25: 19 *sq.*
- Columbus cited by 25: 77, 203.
- on Antillean name for creator 25:
55.
- on betrothals of caciques 25: 48.
- on Borinquenios 25: 27.
- on cacique Aguebana 25: 38.
- on dress of Haitians 25: 34.
- on Haitian idols 25: 57.
- on mask presented to Columbus 25:
137.

Las Flechas, Mexico, petroglyphs at
10: 131.**Las Tusas** cave dwellings 13: 350.**Lashing** water for fish 38: § 193.**Lasso**

- appearance of, in pictures of Hopi
katchinas 21: 72 *sqq.*, 76.
- first used by Dakotas 4: 108.

Last Cry 1: 186.**Last Tsi'-zhu Gens** 36: 130 *sqq.***Latch Strings**, use of, on Zuñi doors
8: 183.**Latcham, R. E.** 46: 370.**Latches** of doors 8: 186 *sq.***Lately**, sign for 1: 366.**Latham, Robert G.**

- Chumashan researches of 7: 67.
- cited on Beothukan language 7: 57.
- classification of the Mariposan family
by 7: 90.
- Costanoan researches of 7: 70.
- mention of 7: 14, 15, 16, 17, 18,
20; 46: 214, 215, 330, 333, 334,
352, 370.
- mention of the Kaus tribe by 7: 89.
- on Jemez 29: 402.
- on Pogueate 29: 539.
- on Tajique 29: 533.
- on the Ehník family 7: 100.
- on the Moquelumnan family 7: 92.
- on the Piman family 7: 98.
- on the Pujunan family 7: 99.
- on the Salinan family 7: 102.
- on the Sayúsklan language 7: 134.

Latham, Robert G.—Continued

- on the Tonika language 7: 125.
- on the Weitspekan language 7: 132.
- Pima vocabulary by 26: 269, 270.
- proposal of name of Copehan family
by 7: 69.
- Salinas family of 7: 75.
- Wishoskan researches of 7: 133.
- Yuman researches of 7: 137.

Latham, Nathaniel, mortar obtained
from 43: 208.**Lathe.** *See* **Wheel.****Lathing or Wattling** of kiva walls
8: 126.**Lathrop, Mr. and Mrs.** —, collection
made by 34: 170.**Lathyrus Nuttallii** 45: 516.**Lathyrus Ornatus** 33: 98.**Lathyrus sp.** 45: 516.**Lathyrus Venosus**, use of 44: 290,
336, 356, 364, 376.**Latimer, G.**, collection presented by
34: 131.**Latimer Collection**, feature of, noted
by Mason. 25: 91.**Latimer Specimen** of elbow stones
34: 204 *sq.***Latimore, J.**, mounds on farm of,
Tennessee 12: 371.**Latookas**, burial 1: 126.**Latrine** 38: § 935.**Lauda, Bishop** — 1: 208, 243.

- pictographic alphabet of 1: 208.
- probably the same as* **Landa** (*q. v.*).

Laudonnière, Captain —, on Florida
symbol of war 4: 88.**Laudonnière, René**

- on racket, Muskogee 24: 606.
- on running races, Muskogee 24:
805.

Laughing Doctor. *See* **Qatqali nad-**
loi.**Laughter**, punishment for 30: 222,
263.**Laukiamanukahiki** 33: 324, 655.**Laukieleula** 33: 307, 324, 629.**Laulao, Silurus**

- caught with hook 38: § 191.
- caught with weirs and fences 38:
§ 203.

Laulewasikaw, revelation of 14:
672.**Laurel**, in Cherokee lore 19: 422.**Laurus**, used medicinally 42: 670.

Lauson, Governor —, grant made by, to Jesuits 43: 462.

Lava

Eskimo fishing implements made of 18: 181.

inclosure, earliest form of Navaho hut 4: 475.

transportation of, by floods 15: 22.

Lavandera, Diego, Seri vocabulary collected by 17: 95 sq., 296*.

Lavery, Interpreter A., cited on time charts 4: 93, 120, 123, 124, 125.

Laventure's Daughter, reservation for 18: 716.

Lavery, J. H., assistance rendered by 33: 161.

Law, Robert, mounds on plantation of, Arkansas 12: 199.

Law

among the Omahas 3:

as to maiming 365.

as to quarreling and fighting 364.

as to social vices 364 sq.

as to witchcraft 364.

corporation 367.

for membership of gens 225.

government 367.

international 368.

marriage 255-258.

mention of 364-370.

military 368.

national 367.

personal 364 sq.

property 366.

religious 368.

common, among the Eskimo 11: 186.

definition of 20: LIX.

of monstrosities 16: 21.

of the development of fable 16: 22.

tribal, punishment for violation of 39: 42.

See also **Laws; Punishment; Taboo.**

Lawa'k. *See* **Klawak.**

Lawe, George, on Menomini eating wild rice with maple sugar 19: 1085.

Lawrence, Frank, inclosure on farm of, New York 12: 508.

Lawrence, Harry 46: 31, 55, 60, 61, 64, 144, 158.

Lawrence, W. 46: 330, 333, 334.

Lawrence County, Ala., mounds in 44: 463 sq.

Lawrenceburg, Tenn., trail to 42: 851.

Lawrenceville, Ark., collection of Indian relics from 3: 486.

Laws

digest of, approved by council of 1840 42: 333.

enforcement of 42: 344.

observance of 42: 314.

origin of 42: 316.

reasons for strict observance of 42: 359.

subjects of 42: 333.

See also **Law.**

Lawson, —, *probably John Lawson below*

on cairns in eastern United States 19: 491.

on English conduct toward Indians 19: 38.

on "flying stag" 19: 463.

on gambling by Indians 19: 465.

on *gatayûstî* game 19: 434.

on heating and lighting of townhouse 19: 230.

on Indian marriage customs 19: 482.

on Indian regard for snakes 19: 457.

on Indian storehouse 19: 433.

on lake in South Carolina 19: 200.

on opossum 19: 449.

on peaches among Cherokee 19: 214.

on planter's regard for martin 19: 455.

on Tuscarora myths and beliefs 19: 442, 466, 505.

on Tuscarora population 19: 498.

on wampum 19: 489.

on whales along North Carolina coast 19: 469.

Lawson, John

cited 12: 619, 675, 679, 685, 686.

on Carolina baskets 13: 16.

on Carolina Indian marriage customs 17: 282* sq.

on chungke stones 13: 99.

on dice games and gambling, Tuscarora 24: 118.

on hoop and pole, Eno 24: 510.

on mortuary wrappings 13: 26.

on partial embalmment 1: 132.

on pipe-making in the Carolinas 20: 140.

- Lawson, John**—Continued
 on pit burial 1: 93.
 on population of the Carolinas 18: 628.
 on Santee feather work 13: 27.
 on shell ornaments 5: 92.
 on shinny, Tuscarora 24: 629.
 on stick games, Congaree 24: 258.
 on Tutelo migration in 1671 7: 114.
 on use of earthenware drums by Carolina Indians 20: 35.
 on use of nut-cracking stones 13: 92.
 on use of shell money 2: 237.
 on wattled "hurdles" 13: 14.
See also **Lawson**, —.
- Laxayik**, Tlingit town 26: 397.
- La'xq "xo-ān**, Tlingit town 26: 397.
- Lâxsä** 35: 814, 1093.
- Layard, E. L.**, on use of perforated stones 13: 98.
- Layton, Pa.**, petroglyphs at 10: 111.
- Laziness**, cure of, legend of 30: 380.
- Le**, meaning of 16: 240.
- Le Bas Rouge**, a branch of the Canoe Indians 46: 431.
- Le Boutellier, Theodore**, material collected by 24: 549.
- Le Chef du Tonnerre**, speech of 46: 600 sq.
- Le Clerq, Maximus**, cited 12: 618.
- Le Gros François**, Assiniboin chief 46: 395.
- Le Hon**, — 46: 348.
- Le Moyne**
 cited on ball game 42: 468.
 picture by, of stockade 42: 438.
- Le Moyne d'Iberville**, on the use of shell vessels 2: 193.
- Le Moyne de Morgues**
 figures by 12: 622-650.
 on burial mounds 5: 39.
- Le Page du Pratz**. *See* **Du Pratz**.
- Le Plongeon, A.**, figure cited from "Queen Moo" of, reference to 22, i: 253, 299.
- Le Sellier Mounds**
 location of 37: 99.
 number of 37: 100.
- Le Sueur**
 on Dakota eating wild rice 19: 1085.
 95719°—33—38
- Le Sueur**—Continued
 on Dakota storing wild rice in sacks 19: 1072.
 on Dakota use of wild rice 19: 1046.
 on location of Omaha 27: 80.
 on peace between Dakota and Ojibwa 19: 1041.
- Lea, Agent** —, Rosebud census by 14: 830.
- Lea, Henry Charles**, cited on sacred cords 9: 567.
- Lea, John M.**
 aid of, acknowledgment of 5: 130.
 mention of 1: 253.
- Leach, M. L.**, article by, reference to 12: 518.
- Lead**
 Eskimo implements made of 18: 83, 176, 180, 280 sqq.
 Eskimo ornamentation with 18: 46, 47, 274.
 mine, aboriginal 42: 783.
- Lead Plant** 33: 93.
- Leader, Barney**, information furnished by 42: 149.
- Leaders**
 Eskimo choice of 18: 303 sqq.
 Eskimo terms for 18: 304.
- Leaf-blade Implements** 15: 82.
- Leaf River**, description of 11: 171.
- Leaf-shape Blades**
 in quarry shops 15: 54.
 use of, as tools 15: 84.
- Leaf-strand**
 boxes 38: § 386, 387.
 figures 38: § 621.
- League of the Iroquois**
 article on 40: 7.
 change in government of 43: 608.
 clans of the Seneca belonging to 32: 44.
 dominion of 43: 460.
 government of 43: 462 sq.
 "Great Black Doorway" 32: 43.
 Great Council Fire of 43: 460.
 researches relative to 28: 14.
 work done on rituals of 42: 11 sq.
 work on 41: 8, 42 sq., 71 sq., 94, 115.
See also **Iroquois**.
- Leal, Fernando**, acknowledgments to 17: XLIV, 20; 22, i: XI.
- Lean**, pictograph for 10: 593 sq.

Lean Bear. *See* Set-tádal.

Lean-Buffalo-Bull. *See* Pá-tádal.

Lean-to

houses 38: § 298.

shelters 38: § 295.

Lean Wolf

a Hidatsa chief, drawings by 10: 342, 424.

complaint of, in signs 1: 526.

map by 4: 158 sq.

name symbol for 4: 172.

pictograph for 4: 168.

Lean y Mulia

number name of 19: 882.

numbers of 19: 882, 931.

Leary, Miss Ella

in charge of distribution of documents 23: XLII.

librarian 32: 31.

work of 25: xxv; 26: xxx, xxxi; 27: 13; 28: 20; 29: 24; 30: 23; 31: 22; 33: 35; 34: 29; 36: 32 sq.; 37: 29; 38: p. 19; 39: 25 sq.; 40: 19; 41: 18, 42, 71, 94, 115; 42: 18; 43: 17 sq.; 44: 17; 45: 18; 46: 15; 47: 12; 48: 19 sq.

Leases of land, control by Congress of 18: 642.

Leather

and fiber artifacts, Pima 26: 113-123.

Eskimo implements made of 18: 86, 104, 194, 273.

use of, for horns, in pictures of Hopi kateenas 21: 83.

use of, in dress of Hopi kateenas 21: 107.

use of, to represent tongue 21: 91.

See also Rawhide; Skins.

Leavenworth, General —, expedition under, in 1834 17: 263.

Leavenworth, Col. H., attacked Rees 4: 112.

Leavenworth, J. H.

at Medicine Lodge treaty 17: 186.

at treaty of 1865 17: 180.

denunciation of, by Set-t'aiñte 17: 207.

Leavenworth

Omaha name for 27: 101.

treaty of 18: 824.

Leavenworth, Pawnee and Western Railroad, sale of land to 18: 824, 840.

Leaves

invocation by, Guiana Indian 30: 350.

used in oven, Kwakiutl 35: 518.

Lebarnaco, Menomini treaty commissioner 14: 21.

Lec, meaning of 16: 264.

Lechthis Zebucajo. *See* Kakaralli.

Leclercq, Christian

cited as to copies of Manuscrit dit Mexicain 3: 18.

on cross as an Indian symbol 9: 480.

on Iroquoian occupation of New England 20: 167.

Lectures

by Aleš Hrdlička 46:

on the Alaskan trip 35, 36, 39, 49, 59, 87.

on the Bear 104, 105.

second at Nome 115, 117.

talk to natives of Wainwright 107. Unalaska 122.

by F. H. H. Roberts, jr. 47: 6.

by M. W. Stirling 47: 2.

Lederer, John

on cairns in eastern United States 19: 491.

on Cherokee invasion of Virginia 19: 300.

on copper among the Cherokee 5: 91.

on *gatayústi* game 19: 434.

on hoop and pole, Eno 24: 510.

on lake in South Carolina 19: 200.

on Rickahockan 19: 30 sq.

on Tuscarora "emperor" 19: 498. on Ushery feather ornament 19: 504.

travels of 42: 779.

Ledge-ruins, meaning of the term 28: 198.

Ledges

of masonry in kivas 8: 121.

or benches around rooms 8: 213.

Ledouble, A. 46: 370.

Ledum Groenlandicum

beverage made from 44: 317.

medicinal constituents of 44: 304.

medicinal properties of 44: 301.

use of 44: 290, 307, 317, 354.

Lee, Ann, founder of the Shakers
14: 941.

Lee, Capt. J. M.

- account of Tävibo by 14: 701.
- acknowledgment to 14: 655.
- appointed Indian agent 14: 887.
- on Paiute Ghost dance 14: 784.
- on Sioux story of sacred pipe 14: 1062.
- on Wovoka's father 14: 765.
- respect of Indians for 14: 888.

Lee, M. G., mounds and cemetery on land of, Tennessee 12: 364.

Lee County, Va., mounds in 5: 87.

Leech, myth concerning 19: 329 sq., 474.

Leech Lake

- record, how obtained 7: 171.
- treaty of 18: 780.

Leech Lake Reserve

- cession of 18: 936.
- changes in 18: 866, 874.
- establishment of 18: 802.

Leek, Wild, use of 44: 286, 346.

Leeman, Doctor — 1: 229.

Leeper, —, Kiowa Interpreter 17: 332.

Leestown, trail to 42: 788.

Leffingwell, Captain —, Mohegan relieved by 43: 259.

Left-Hand

- an Arapaho chief 14: 779, 957.
- Ghost song composed by 14: 961.
- land treaty signed by 14: 899.

Left-Hand, Grant

- acknowledgment to 14: 655.
- Crow dance organized by 14: 901.
- delegate to Wovoka 14: 900.
- in the Ghost dance 14: 1038, 1039.
- song composed by wife of 14: 1032, 1035, 1036, 1038.

Leg People, location of 45: 295.

Legal Status of Indians 27: 51.

Legend

- Assiniboin 46: 500-503.
- definition of 32: 66.
- of animal swallowing human beings 4: 126.
- of G'exsem, Nak lwax'da'x^u 35: 1179.
- of the Hawk wa-xo'-be 39: 100 sq.
- of the Naxnaxu'la, Qwēq^usōt lēnox^u 35: 1249.
- sacred 32: 66.

Legends

- at Mohegan 43: 253-259.
- Cochiti 29: 452 sq.
- dealing with Creek history 42: 33-78.
- Eskimo 18: 450 sq.
- Galisteo 29: 484 sq.
- mention of 42: 711.
- migration, of the Winnebago 37: 50 sqq.
- Navaho 29: 567.
- Northern Indian 11: 260, 327.
- of Norridgewock mission 43: 173.
- of volcanic action 29: 296, 321, 323 sq., 458.
- origin of 32: 681.
- Pima 28: 42-52.
- San Felipe 29: 447.
- San Ildefonso 29: 306, 315, 329.
- San Juan 29: 208, 214 sq.
- Siouan 11: 430.
- supported by archeology 43: 4.
- Tewa 29: 151 sq., 357.
- See also Legend; Migration Legends; Myths.*

Legerdemain. *See Jugglery; Magic.*

Leggings

- appearance of, in representations of Hopi katecinas 21: 61, 72, 73.
- description of 27: 354 sq.; 42: 682; 45: 69, 71.
- for men 45: 335.
- for women 45: 234, 336.
- of the Nenenot 11: 283, 291.
- pattern of, Winnebago 37: 106.

Legs

- in folklore 30: 173, 262-265.
- ornaments for, Guiana Indian 38: § 552.
- Serian and Yuman names for 17: 333* sq.
- spears formed from 30: 195 sq.

Legs of vessels

- eastern United States, manner of modeling 20: 51.
- eastern United States, recentness of 20: 62.
- Iroquoian province, absence of 20: 162.
- Middle Atlantic province, absence of 20: 145, 151.
- Middle Mississippi Valley pottery 20: 93.

See also Bases.

- Lehi** day schools, symbols at 26: 34.
Lehigh County, aboriginal quarries in 15: 78.
Leibnitz
 on signs connected with philology 1: 349.
 on signs connected with syntax 1: 369.
Leibold, Miss Clara, cooperation of 46: 6.
Leida, Dr. Liborio, on duhos 25: 202.
Leidy, Jos., on Shoshoni scraper-making 13: 169.
Leiper's Fork, trail near 42: 813, 814.
Leland, Charles G.
 cited 4: 190.
 communication from 10: 346.
 on Algonquian myths 19: 451.
Lelegēd 35: 820.
Leleñti
 description of 21: 57.
 duration of 21: 20.
Le'lentu, finding of, by Mu''kwe 23: 413.
Lelo, farm of, at Sikyatki 17: 640.
Lem, meaning of 16: 235.
Lembi. *See* **Lambi**.
Lemhi Indians, cession of land for use of 18: 928.
Lemhi Reserve
 authority for establishment of 18: 828.
 establishment of 18: 878.
Lemlaghet, meaning of 16: 236.
Lemoine, —
 Algonkin modes from 28: 262, 264.
 on Montagnais forms 28: 248.
 reference to 28: 227.
 work of, cited 28: 247.
Lenapé Indians or Delawares
 and their legends, reference to 4: 84, 188, 233.
 arrival of, on the coast 43: 219.
 paper on physical anthropology of 37: 27.
L'lé'naxxi'daq, Property woman 26: 412, 460.
Lenbaki Society of Tusayan 8: 18.
L'lenē'dī, Tlingit clan
 crests of 26: 418.
 history of 26: 412.
 names of 26: 422.
L'lenē'dī, Tlingit clan—Continued
 phratry and tribe of 26: 399.
 standing of 26: 408.
Lennan, Cyrus, account of 26: 50 sq.
Lenné Lenapé record 4: 158, 207.
Lenoir, myths concerning 19: 414.
Lenoir, Rufus T., burial pit on land of, North Carolina 5: 68-71; 12: 342.
Lenoir County, N. C., pottery from, showing fabric impressions 20: 70, 72 sq.
Lenoir Manufacturing Company, mounds on land of, Tennessee 12: 396.
Lenoir Mounds, Caldwell County, N. C.
 mingling of wares in 20: 147.
 pottery from 20: 144.
Lenox Library
 acknowledgment to 14: LV, 339, 413.
 visited 15: XL.
Leñpaki. *See* **Leleñti**.
Len's Creek, mounds in valley of 42: 755.
Lenti, Bautista, chief of the Black Eyes 47: 263.
Lenya
 description of 21: 21, 101.
 See also **Flute**.
Leñya Clan
 mythic origin of 19: 590.
 possible advent of, into Tusayan 19: 626.
Lenya Fraternity, ceremonies celebrated by 21: 23.
Leñyanobi
 Ala clan at 19: 590.
 founding of 19: 586.
Leon, Francisco Ponce de, campaign against Seri by 17: 88-93.
Leon, Juan de, copy of evidence made by 14: 598.
Léon, Dr. Nicholas
 acknowledgment to 28: 55.
 on Tarascan and Chiapanecan number names 19: 874.
 on Tarasco numerals 19: 919.
 on Zapotecan number names 19: 872.
Leon y Gama
 cited as to calendars 3: 47, 63.
 mention of 1: 232.
Leonardo da Vinci 1: 292.

- Leontodon Taraxacum**, of recent introduction 33: 59.
- Leopard.** *See* Wildcat.
- Leopoldina Major**, a source of salt 38: § 25.
- Leopoldina Piassaba**, for cables and ropes 38: § 72.
- Lepage**, name applied to John Day River 14: 743.
- Lepargyrea Argentea** 33: 106; 45: 489.
- Lepargyrea Canadensis** 45: 472.
- Lepe** 33: 320, 662.
- Leporinus Friderici**, fish caught with poison 38: § 211.
- Lepsius**, cited 6: 413.
- Leptandra Virginica**
 medicinal constituents of 44: 304.
 medicinal properties of 44: 301.
 use of 44: 290, 346, 354.
- Leptarrhenia Amplexifolia** 45: 465.
- Leptotaenia Dissecta** 45: 472, 480, 513.
- Leptotaenia Nuttallii**, used medicinally 42: 667.
- Lepus Alleni.** *See* Jack Rabbits.
- Lepus Arizonas**, account of 26: 82.
- Lepus Texianus.** *See* Jack Rabbits.
- Lêq'lem** 35: 817.
- Leroux, A.**
 cited as to tribal relationship 28: 216.
 ruins in Verde Valley mentioned by 13: 186.
 Verde ruins discovered by 17: 530.
- Lescarbot, Marc**, on dice games, Hurons 24: 108.
- Les Cayes, Haiti**, nodule from 34: 185.
- Leslie, Lieutenant** —, and the Pontiac conspiracy 14: 130.
- L'Espagnol**, Menomini treaty signer 14: 28.
- Lespedeza Capitata** 33: 97.
- Lesser Antilles**
 aboriginal art of 25: 142.
 archeological researches in 25: xv, xxvi sqq., 17.
 cannibalism in 25: 50.
 comparison of pottery from 34: 259.
 geological changes in 25: 219 sq.
 inhabitants of, at time of Columbus 34: 130.
- Lesser Antilles—Continued**
 invasion of, by the Carib 34: 52, 88, 261.
 location and extent of 25: 21.
 native houses in 25: 46 sq.
 natives of, as potters 25: 189.
 occupation of, by Carib 25: 27, 217.
 pictography in 25: 148.
 slavery in 25: 25.
 theory of kinship of aborigines of 34: 126.
See also Antilleans; Carib; and names of different islands.
- Letotobi**, description of 21: 114.
- Letrado, Francisco de**
 missionary at Zuñi 13: 327.
 murder of, by Indians 13: 328; 28: 220.
- Letter**
 from Äpiatañ to the Kiowa 14: 911.
 from Wovoka 14: 776, 780, 781.
- Letter of Transmittal** 1: 89; and generally page 3 (or III) of each volume.
- Letterwood.** *See* Brosimum.
- Lettres édifiantes et curieuses** on separation of Assiniboin from their Siouan kinsmen 19: 1054.
- Lettuce, Wild**
 use of 44: 290.
 use of, for chewing gum 30: 68.
See also Lactuca Canadensis.
- Leuciscus Niger (Cole)**, fish of Colorado Basin 26: 83.
- Level** for hammock-making 38: § 466.
- Leverett, John**, purchase of land by 18: 606.
- Levers** used in steatite working 15: 111.
- Levett, —**, purchase of land by 18: 609.
- Levirate**
 existence of 45: 161, 171.
 junior, reference to, of the Fox Indians 40: 344, 375.
 Kwakiutl 35: 1077, 1357.
- Lewelaxa** 35: 1222, 1352, 1354.
- Lewelaxa Ceremonial** 35: 867-875.
- Lewin, Doctor** —, observations on peyote by 30: 41.
- Lewis, —**, survey by 18: 815.

- Lewis, Dr. A. B.**, acknowledgment to 29: 12.
- Lewis, Maj. Andrew**
 building of Fort Loudon by 19: 40.
 expedition against Shawano by 19: 41.
- Lewis, Jackson**
 acknowledgment to 42: 32.
 game described by 42: 460.
 Indian doctor in Civil War 42: 436.
 information furnished by 42: 147, 148, 186, 187, 192, 193, 227, 256, 307, 344, 361, 367, 384, 395, 437, 467, 478, 481, 485, 486, 493, 494, 499, 500, 501, 523, 543, 546, 581, 604, 617, 625, 631, 638, 640, 641, 643, 651, 655, 656, 657, 659, 660, 661.
 myth related by 42: 73.
 names of peace clans explained by 42: 164 sq.
 naming of 42: 102.
 story told by 42: 52.
- Lewis, José**
 aid rendered by 17: 13.
 Pima interpreter 26: 18.
 specimens furnished by 26: 197.
- Lewis, Merriwether**
 cited on Indian customs 11: 505.
 cited on Shoshoni ceremonials 11: 375.
 quoted on Indian beliefs 11: 481, 508.
 quoted on mythic dwarfs 11: 481.
 reference to work of 11: 502.
- Lewis, T. H.**
 cited 12: 39.
 remark of, on distribution of boulder mosaics 12: 534.
- Lewis and Clark**
 among Columbia River tribes 14: 742.
 among the Omaha 15: 191.
 among the Ponca 15: 192.
 authorities on Chinookan habitat 7: 65.
 cited 12: 658.
 Crow Indians met by 15: 198.
 description of shell ornaments by 2: 233.
 Hidatsa visited by 15: 197.
 Kiowa encountered by 17: 165.
 Kwapa met by 15: 195.
- Lewis and Clark—Continued**
 Mandan villages named by 15: 163.
 meeting of, with Omaha 27: 87.
 mention of Wheelpool by 14: 732.
 on Arapaho habitat 14: 956.
 on Cheyenne early habitat 14: 1024.
 on Cheyenne habitat in 1805 17: 157.
 on Crow habitat 7: 114.
 on Dakota possession of houses 19: 1044.
 on hand game, Clatsop 24: 282.
 on hand game, Nez Percés 24: 304.
 on hoop and pole, Mandan 24: 511.
 on improvidence of Indians of the Northwest 7: 37.
 on influence of wild rice on geographic nomenclature 19: 1122.
 on Kiowa 17: 166.
 on Kiowa in 1805 17: 171.
 on Mandan house remains 15: 196.
 on Mandan migration 15: 196.
 on Mandan villages in 1804 15: 197.
 on *poggamoggan* 13: 95.
 on Siouan use of dogs 15: 171.
 on smallpox among Plains tribes 17: 168.
 on Teton horse stealing 15: 173.
 on the Coospella 14: 732.
 on the habitat of Arikari 7: 60.
 on the habitat of Kalapooian tribes 7: 82.
 on the habits of Shoshonean tribes 7: 109.
 on the Kiowa Apache 14: 1081.
 on the Kusan tribes 7: 89.
 on the Kutenai 14: 731.
 on the Pacific Coast tribes 7: 53.
 on the Sahaptin 14: 745.
 on the Yakwina 7: 134.
 on unclassified games, Clatsop 24: 781, 782.
 on value of beads 2: 239.
 on Yankton and Yanktonai habitat 15: 190.
 reference to Kiowa Apache by 17: 246, 251.
 Salishan tribes met by 7: 104.
 Sokulk met by 14: 735.
 story about 45: 373.
 value of records of 15: 183.
 villages visited by 12: 12.

Lewis and Clark Expedition

mention of 46: 395.

planned by Jefferson 48: 1187.

Lewis and Clark Exposition, Bureau

exhibit at 26: XIV, XXVII.

Lewis Mock Orange, use of 45: 499.**Lewisiana Colombiana** 45: 480.**Lewisiana Pygmaea** 45: 479, 507.**Lewisiana Rediviva** 45: 478, 479.**Lewiston**

grant of land to Shawnee living at 18: 686.

treaty of 18: 732.

Lewton, Frederick L., reference to 44: 448.**Lexical Elements** considered in classification of Indian languages 7: 11, 141.**Lexington, Ky.**

mention of 42: 789.

trail to 42: 760, 777, 782, 840.

Lexicology

comparative, of Serian languages 17: 299*-344*.

definition of 20: CXLVIII.

differentiation of, from other sciences of language 20: CXLVIII.

elements of 20: CXLVIII sq.

Leyden Stone. *See* **Nephrite Stone, of Leyden Museum.****Leyva, Chico, excavation made by** 44: 66.**Leyva, Francisco de, on effect of Marco's report** 14: 366.**Lhut, *Sieur du*, Daniel Greyselon, cited on Indian beliefs** 11: 438.**Liaa.** *See* **Gui.****Liálgi**

a Creek clan 42: 116, 119.

affiliations of 42: 121.

L'Iatan

a synonym of Comanche 14: 1043.

identification of 17: 167.

Liaywas

mention of the 14: 738.

See also **Yakima.**

Libbey, William. *See* **Libby, Prof. William.****Libby, Prof. William**

Enchanted mesa explored by 47: 25.

reference to 29: 545.

Liberty, nature of 20: LXXXII sq.**Liberty County, Ga., burial vase from** 20: 133.**Library of Congress**

acknowledgment to 19: 12.

documents of, consulted 42: 118.

Library of the Bureau

accessions to 18: XLIX; 19: XXX.

arrangement of the 15: XLVI.

condition of the 15: XXXVIII, XLIII, XLVII, LIII, LVI, XCII.

description of the 27: 24.

growth of the 16: XX, XXIII, LXXIX; 17: LVII.

improvement of the 32: 31.

mention of the 24: XXXIII sq.; 25: X, XXIV; 26: XXX sq.; 40: 19; 44: 17.

number of books and pamphlets in 21: XXXII.

plan for work of 20: XXIII.

report on 30: 23; 41: 18 sq., 42 sq., 71 sq., 94, 115; 42: 18; 43: 17 sq.; 45: 18; 47: 12 sq.; 48: 19 sq.

summary as to 28: 20.

work of 27: 13.

See also the end of each Administrative Report (1-48).

Lice

among Guiana Indians 38: § 934.

eating of 30: 133, 135.

Eskimo myths concerning 11: 263.

See also **Louse.**

License, Poetic, among the Sia 11: 123.**Licenses to purchase Indian lands issued in New York** 18: 578 sq.**Lichen**

in Cherokee lore 19: 420.

mention of 33: 63.

See also **U'tsälä.**

Licium Fremontii, Pima food plant 26: 75, 160.**Lick Creek Mound** 2: 215, 224, 272, 278, 296.**Licking County, Ohio**

flint in 44: 512.

rock carvings in 4: 21.

Licking of Sticks, custom of 30: 311, 360.**Licking River**

Shawnee name for 42: 792.

trail along 42: 791 sq.

travel on 42: 792.

Licking Route, course of 42: 840.**Licorice, Wild** 33: 92.

Liddell, James, commissioner to treat with Cherokee 5: 288.

Lidjâmi Clan, story concerning 42: 108.

Lids, of baskets

conoid 41: 188.

flanged 41: 187, 188.

made in one with basket 41: 189 sq.

mention of 41: 185-191.

problems connected with decoration of 41: 298 sqq.

types of 41: 186.

Lie, falsehood, signs for 1: 345, 393, 550.

Liestor, Sir Joseph, surgical operation by 16: 20.

Lieutenant Governors, duties of 47: 52 sq., 55.

Life

belief concerning origin of 39: 301 sq., 338, 360, 361.

domestic, of the Omaha 3: 258-275.

in Omaha conception 27: 357, 415 sq.

Indian ideas concerning seat of 19: 394, 468.

path of, in rituals 39: 259.

primitive belief in future 11: 416, 430, 484, 512, 518, 521.

restoration of 32: 572.

Life Forms and Designs

eastern United States 20: 39 sqq., 62 sq., 64 sqq.

eastern United States, conventionalization of 20: 114.

eastern United States, pipes 20: 45.

eastern United States, rarity of painted ware 20: 67.

eastern United States, symbolism of 20: 65, 100.

Florida Peninsula pottery 20: 118, 124, 126.

Gulf Coast pottery 20: 106, 113 sq.

Iroquoian pipes 20: 174.

Iroquoian pottery 20: 162 sq., 168.

Iroquoian pottery, manner of introduction of 20: 172.

Lower Mississippi Valley pottery 20: 104.

Life Forms and Designs—Continued

Middle Mississippi Valley group 20: 90 sq., 94-98.

Northern pottery, rarity of 20: 145, 187.

Northwestern pottery 20: 193, 194, 198.

Northwestern pottery, rarity of 20: 187.

Ohio Valley pottery 20: 186.

pottery 4: 283, 307, 353, 383-392, 404-412, 422-426.

See also Animal; Bird; Man; Plant; Shell.

Life Symbols

ceremony of sending 36: 91.

discussion of 36: 62.

meaning of term 36: 71.

medium of approach to *Wa-koⁿ'da* 36: 61.

of the gentes 36:

adder 103.

arrows 99.

beaver 99, 100.

black bear 105, 108, 123, 130.

blackfish 99.

black snake 103.

boulder, black 108.

boulder, red 108.

boulder, white 109.

boulder, yellow 109.

bow 99.

buffalo back 132.

buffalo bull 102.

bull snake 103.

cat-tail 93.

cedar, male 95.

cedar, red 95.

corn, blue 136.

corn, flint 134.

corn, red 136.

corn, speckled 137.

corn, yellow 137.

crawfish 116.

Cucurbita foetidissima 135.

Cucurbita perennis 136.

deer 96.

eagle, golden 104.

eagle, red 124.

eagle, spotted 118.

elk 109, 113.

evening star 109, 120.

glycine apios 111.

Life Symbols—Continued

- of the gentes 36—continued
- hail stone 134.
- Lacinaria pycnostachya* 135.
- light, shaft of 126.
- metal 133.
- morning star 109, 119.
- muscle 94.
- Nelumbo lutea* 111.
- otter 99.
- peace pipe 128.
- pelican 85.
- poppy mallow 135.
- puma 107.
- rattle-snake 104.
- red fish 99.
- Sagittaria latifolia* 110.
- sedge 95.
- snapping turtle 92.
- spider 102.
- squash, black 136.
- squash, red 136.
- squash, speckled 137.
- squash, yellow 137.
- swan, white 108, 109, 230.
- Typha latifolia* 93.
- water 95, 98.
- woodpecker 120.
- of the Hoⁿ'ga 43: 45.
- placing of, in House of Mysteries 36: 62.
- taking of 43: 75-84.
- wi'-gi-e of 43: 60-67, 73, 74.

Light

- Eskimo legend of bringing of, by Raven 18: 483 sqq.
- from coal oil, Shaker idea concerning 14: 749.
- method of introducing, in inner rooms 8: 207.
- mythic origin of 11: 29.
- symbol in the codices 16: 237.
- symbolized by the rabbit 16: 236.
- Light Horse**, duties of 42: 316, 320, 332.
- Light-Orb**, a man-being in Iroquoian cosmology 21: 174.
- Lighting**, method of, in crowded portions of Zuñi 8: 99.

Lightning

- beliefs concerning 42: 487, 631, 638; 44: 249; 47: 66, 241, 342.
- connection of, with Shell Society 27: 512, 519, 562.

Lightning—Continued

- gesture signs and symbols for 10: 701 sq.
- in Omaha conception 27: 188, 457.
- in Paiute Ghost song 14: 1054.
- in Pima mythology 26: 378.
- in Pima song 26: 323.
- Indian notion concerning 14: 968.
- myths concerning 11: 37, 52, 123, 127, 366, 420, 517; 19: 300 sq., 422, 435, 442, 461, 462, 464, 465, 505.
- primitive conception of 15: 180, 182, 183.
- rites connected with 27: 177 sq., 185.
- signs for 1: 373.
- symbol on Hopi pottery 17: 673.
- symbolism connected with 11: 527.
- symbolized in Omaha ceremony 27: 127.
- symbols in Hopi pictography 15: 311.
- symbols on Hopi kilts 15: 295.
- terms relating to 29: 59.
- See also Thunder and Lightning.*
- Lightning Magician** in Pima religion 26: 251.
- Lightning Makers** of the Zuñi 23: 21, 22.
- Lightning Symbols**
 - appearance of, in Hopi pictures 21: 84, 90, 92, 95, 98, 102, 108, 120.
 - at Mishongnovi Cakwaleñya altar 19: 992.
 - at Mishongnovi Flute altar 19: 990.
 - at Oraibi altar 16: 291; 19: 993.
 - at Shipaulovi altar 19: 995.
 - in paraphernalia of Hopi kateinas 21: 43.
 - in the codices 16: 216, 226, 237, 240, 262.
 - in Tusayan sand pictures 16: 278, 287.
 - use of, in Hopi festivals 21: 41, 42.
- Ligney**, — de, expedition of 14: 16.
- Lignite**
 - deposits near Sikyatki 17: 643.
 - gorgets in Sikyatki graves 17: 733.
 - ornaments, Eskimo 18: 47, 49.
 - ornaments, from Pueblo ruins, character of 22, i: 87 sq.
 - ornaments, from Pueblo ruins, figures showing 22, i: 87, 88.

Likatchka

- a Red town 42: 255.
- allocation of clans in beds at 42: 201-204.
- arrangement of square ground of 42: 229, 276.
- clans of, furnishing chiefs and henihas 42: 193.
- clans, phratries, and moieties of 42: 161.
- position of beds at 42: 199.
- residence of Little Prince 42: 310.

Likin

- symbol in Maya codices 16: 263.
- symbol, meaning of 16: 235.

Lililiaceae 33: 71.**Lilium Canadense**, use of 44: 290, 352.**Lilium Columbianum** 45: 475.**Lilium Parviflorum** 45: 482.**Lilium Umbellatum** 33: 71.**Lillooet Tribe**

- basketry of 41: 133, 142, 154, 155, 156, 157, 159, 165, 177, 178, 180, 182, 184, 207, 208, 209, 210, 211, 222, 223, 225, 229, 230, 231, 233, 237, 240, 241, 242, 245, 275, 335-344, 350 sq., 361, 362, 370, 372, 373, 384, 414 sq., 421, 424 sqq., 443 sqq.
- characteristics of basketry of 41: 230, 233.
- designs of, related to Tlingit. 41: 373.
- Flathead name for 45: 300.
- influence of, in basketry 41: 134.
- name of, in sign language 45: 146.
- of Salishan stock 41: 373.

Lilmalche. *See* **Penelakut.****Lilwee**, sale of interest in certain lands to 18: 671.**Lily**

- bulbs, boiled 35: 563.
- bulbs, digging of 35: 201.
- bulbs, feast of 35: 560.
- use of 44: 290, 352.

Limbs in Western Eskimo 46: 213-228, 249.**Lime**, cultivation of 38: § 246.**Limestone, St. Louis**, hornstone nodules in 44: 522.**Limestone**

- formation of 44: 505.
- Tewa name for 29: 580.

Limestone Butte Ruin, description of 28: 204 sqq.**Limpet Rings** 44: 154.**Linaceae** 33: 71.**Lincoln, Harry**

- acknowledgment to 40: 378, 501.
- as ceremonial attendant 40: 39.
- paraphrase by 40: 378.
- reference to 40: 27, 295, 360, 545.
- syllabary text by 40: 378.
- texts dictated by 40: 28.

Lincoln, Oliver, reference to 40: 545.**Lincoln, Nebr.**

- Omaha name for 27: 101.
- reference to 27: 342.

Lindgren, Graton and Gordon

- on Ojo Caliente hot spring 29: 164.
- on Ortiz Mountains 29: 505, 506.
- on turquoise deposits 29: 494.

Lindgren, Waldemar. *See* **Lindgren, G. and G.****Lindström, P.**, on use of shell money 2: 236.**Linear Mounds**

- as defensive works 37: 82 sq.
- as lodge bases 37: 83, 84.
- as snake effigies 37: 83, 84.
- at Madison 37: 93.
- at Pishtaka 37: 94.
- classes of 37: 81 sq.
- explanation of 37: 79.
- in Wingra group 37: 94.
- interpretation of 37: 82.
- made by Sioux 37: 76.
- number of 37: 83.
- of Iowa County 37: 93.
- of Lake Koshkonong 37: 101.
- purpose of 37: 92-98.
- where found 37: 79.

Lines

broken on Sikyatki pottery 17: 704.

used in design 41:

- diagonal 247 sq., 306 sq.
- horizontal 246, 305 sq.
- interpretation of 305-312.
- meander 248.
- veritcal 246 sq.
- zigzag 247 sq.

"Lines of Life"

- on Pueblo pottery, cut showing 22, i: 93.
- reference to 22, i: 90, 181.

- Lingam**, belief in the 11: 447.
- Lingoa Geral**, character and use of 18: 187.
- Linguistic**
 affinity of the Kiowa 17: 150.
 affinity of the Zuñi 13: 342, 355, 359.
 bibliography, preparation of 5: xxxv.
 classification of the Osage 36: 45.
 classification, rules for 7: 8-12.
 evidence as to local permanency of population 12: 729.
 families, map of 36: 29.
 families of North America 7:
 facts brought to view by work on xxxvii sq.
 nomenclature 7-12.
 number of 45.
 paper by J. W. Powell on 1-142.
 work on classification of 25, 26.
 families, report on 13: xxiv.
 family, definition of 7: 11.
 indications as to habitations 4: 474.
 indications as to primitive water vessels 4: 482.
 manuscripts in the Bureau 15: xxxv; 26: xvii; 29: 22 sq.
 manuscripts in the Bureau, arrangement of 15: xxxix, xl, xliv, xlv, xlvi.
 map, notes concerning 7: 25, 45.
 map, preparation of 7: 142.
 notes 40: 282-289, 538 sq., 612-615.
 researches 1: xvii, xviii; 19: xvi.
 researches among the Klamath 1: xix.
 study, importance of 13: xxiii.
 subjects, Bureau correspondence on 24: xix, xx.
 work 2: xx.
See also Language; Linguistics; etc.
- Linguistics**
 as an aid to archeology 34: 61.
 classification of 15: xix.
 need of work in 41: 2.
 office work in 22, i: xxx-xxxiii.
 work in 14: xxxix; 15: xxii, xxv, xxx, xxxiv, xxxix, xliv, xlviii, liii, lxi, lxiv, lxvii, lxxxii; 16: xx, xxiv, xxviii, xxxii, xxxvii, xxxix, xli, xliv, xlix, lii, lviii, lxxii-lxxv; 17: lii sqq.
- Linguistics—Continued**
See also Dictionary; Glossary; Grammar; Language; Languages; Linguistic; Philology; Vocabulary; Word; and names of various languages.
- Link**, —, on scientific synonym for wild rice 19: 1021.
- Linkinse**, an Isle de Pierre synonym 14: 734.
- Linn**, in Cherokee myths and lore 19: 421, 466, 505.
- Linn Wood**, Cherokee use of, in firing 20: 56.
- Linnaea Borealis**, use of 45: 458.
- Linnaeus**
 cited 30: 42.
 herbarium of, on scientific synonym for wild rice 19: 1021.
- Linney, C. L.**
 acknowledgment to 29: 38.
 on deaths by lightning 29: 59.
 on hoarfrost 29: 54.
 on lunar ring 29: 48.
 reference to 29: 553.
- Lino, Rio del**, reference to 14: 554, 555.
- Linschoten**, —, on South American labrets 3: 83, 84.
- Linschoten, Hans Hugo van**
 on Acoma 29: 543.
 on Pecos 29: 476.
 on Taos 29: 182.
- Lintels**
 in Casa Grande 13: 317.
 of cliff ruin openings 16: 102, 114, 140, 164.
 of old windows embedded in masonry 8: 200.
- Linton, Dr. Ralph**
 assistance rendered by 33: 161.
 mention of 46: 236.
- Linum Lewisii** 33: 98; 45: 467, 504, 507.
- Lion**
 in Pueblo region 14: 518.
 mountain, found by Coronado at Cibola 14: 560.
 myths concerning 19: 452.
 native American 14: 517.
See also Panther.
- Lion Canyon**, location of 33: 166.
- Lion Disease**, symptoms and treatment of 42; 643 sq.

Lip Plugs. *See* **Labrets.****Lipan Indians**

- habitat of 7: 54.
- linguistic work of A. S. Gatschet among 6: xxxiii.
- poisoned arrows used by the 14: 285.
- population of the 7: 56.
- study of language of the 19: xxvi.
- Tewa name for the 29: 574.
- tribal sign for the 1: 471.

Lips

- deformation of 38: § 503.
- Eskimo 46: 161.
- Eskimo custom of piercing 18: 48.
- hole made in, when a daughter is able to walk 31: 431 note.
- Western Eskimo 46: 213-227.
- See also* **Labrets; Rims.**

Liquors

- bad effects of 46: 530.
- intoxicating, introduction of 27: 618 sq.
- intoxicating, prohibition of 27: 625.
- introduction of, among Point Barrow Eskimo 9: 54.
- taste for, of the Point Barrow Eskimo 9: 65.

Lisanthus Alalus, emetic 38: § 920.**Lisanthus Purpurescens**, febrifuge 38: § 927.**Lisburne, Cape.** *See* **Cape Lisburne.****Lisières, France**, petroglyph in 10: 177.**Lisianski, —**

- on Kadiak labrets 3: 89.
- on masks for seal catching 3: 122.
- on preserving heads 3: 96.
- on Sitka labrets 3: 87.

Lissauer, A. 46: 370.**Lissiansky, Capt. Uriy**

- on dice game, Western Eskimo 24: 104.
- on quoits, Western Eskimo 24: 723 sq.

Lissorhoptrus Simplex, destructive to wild rice 19: 1027.**List**

- alphabetical, of plants used by Zuñi Indians 30: 101 sq.
- of illustrations, burial customs 1: 87.
- of illustrations, sign language 1: 265.

List—Continued

- of works consulted in preparation of paper on Point Barrow Eskimo 9: 10-25.

Lister, Sir J., cited 30: 41, 63.**L'listi'**, Tlingit town 26: 397.**Literature**

- of Guiana, key to 30: 113-116.
- relating to classification of Indian languages 7: 12-25.
- transmutation of society by 20: cxxi.

Lithospermum Angustifolium 45: 480, 502.**Lithospermum Canescens** 33: 11.**Lithospermum Carolinense**, use of 44: 290, 369, 377.**Lithospermum Pilosum** 45: 508.**Lithospermum sp.**, Pima food plant 26: 77.**Litnik** 46: 184.**Litter**, use of 42: 299, 703.**Little**, a Sioux prisoner 14: 848.**Little**, pictograph for 10: 594 sq.**Little Abaco**, number of specimens from 34: 229.**Little Arkansas River**, treaty of 18: 838.**Little Bear**

- Ponca, story of 27: 50.

See also **Sét-t'án.**

Little Beard's Village

- cession of reserve at 18: 662.
- reservation at 18: 658.

Little Bighorn, battle of 10: 563-566.**Little Blue River**, occurrence of remains of Pawnee villages on 20: 200.**Little Bluff.** *See* **Dohásän.****Little Bow**, acknowledgment to 14: 655.**Little, Brown & Co.**, courtesy of 32: 71.**Little Carpenter**

- grant signed by 18: 129.
- on Shawano wars 19: 371, 372.

Little Charley, reservation for 18: 716.**Little Chief**

- Cheyenne delegate to Wovoka 14: 895.

See also **Zhinga'gahige.**

Little Chiefs, duties of 47: 51 sq.

Little Coal River, W. Va.

petroglyphs on 10: 125.

rock carvings on 4: 22.

Little Colorado, pottery of 4: 283, 292, 321, 330; 43: 3.**Little Colorado Pueblos**, religious societies from, at Walpi 19: 623.**Little Colorado Region**

ancient inhabitants of 28: 151, 157, 158, 218.

antiquities of 28: 13, 17.

cremation not practiced in 28: 117.

pueblos 28: 153, 220.

ruins 28:

bird fetishes from 121.

ceremonial rooms 150.

cigarettes from 143.

copper bells from 148.

pottery from 134, 159.

shell carvings from 144.

Little Colorado River

Arizona, pueblos on, causes of abandonment of 22, i: 20, 21, 22.

Hopi clans from 19: 582 sq.

introduction of Añya kateinas from 21: 45.

pueblos on 19: 594-603.

ruins discovered near 21: XI, XIX.

Little Colorado River Ruins

animal remains from 22, i: 110.

basketry from 22, i: 98 sq.

Black Falls ruins 22, i:

Group A—

description of 42-47.

ruin A, description of 43 sq.

ruins B, C, D, description of 44.

ruins E, F, description of 44.

ruins G, H, I, J, description of 44 sq.

ruin J, plan of 45.

ruin K, description of 45 sq.

ruin L, description of 46.

ruin M, description of 46 sq.

the Citadel, description and figure of 43.

Group B—

ruin A, description of 47-50.

ruin A, plan of section *a* of 47.
section of section *a* of 46.

ruin B, description of 50.

ruin C, description of 50 sq.

Group C—

ruin A, description of 51-54.

ruin A, plan of 52.

ruin B, description of 54 sq.

Little Colorado River Ruins—Con.

Black Falls ruins 22, i—Contd.

location of 39.

mention of 39-55.

previous exploration of 39.

bone implements from 22, i: 93 sqq.

bow and arrows from 22, i: 100.

building materials of 22, i: 40, 41.

Burro Springs near 22, i: 55 sq.

cavate ruins near Flagstaff 22, i: 35-39.

Chaves Pass ruins 22, i: 32 sqq.

Chevron ruin 22, i: 30 sqq.

cloth from 22, i: 97.

crania from 22, i: 110.

disks from 22, i: 106.

fetishes from 22, i: 107 sqq.

food from 22, i: 101.

gaming canes from 22, i: 100 sq.

general features of 22, i: 20 sqq.

Homolobi group 22, i: 23-30.

horn objects from 22, i: 96.

human crania from 22, i: 110.

map showing 22, i: 21.

matting from 22, i: 97 sq.

objects from 22, i: 56-111.

ornaments from 22, i: 85-93.

pottery from 22, i:

classification of, by color and finish
58-61.

classification of, by form 61-69.

color of 192.

decorative designs on 69-85.

general features of 56 sqq.

prayer sticks from 22, i: 99 sq.

racial and clan kinship of inhabitants of 22, i: 56.

seeds from 22, i: 101.

stone implements from 22, i: 102
sqq.

stone slabs from 22, i: 104 sqq.

turtle carapaces from 22, i: 95.

Little Colorado Valley, Ariz., antiquities of 27: 8.**Little Dancers**, notes on 47: 1077-1080.**Little Decorah's Village**, location of 37: 51.**Little Deer**, myths concerning 19: 250 sq., 262 sqq.**Little Doctor**, leader of Creek band 42: 330.**Little Diomedes** 46: 115, 117, 121, 166, 182, 183, 210.

Little Diomedea Crania

- basiofacial diameter 46: 279-282.
- dental arch 46: 276.
- facial 46: 266.
- facial angles 46: 285.
- means 46: 286.
- mention of 46: 256, 257, 259, 261, 262, 263.
- nose 46: 268, 270.
- orbits 46: 274.

Little Evening Songs 39: 259.**Little Falls**

- ancient settlements at 15: 67.
- pestle and sinker from 15: 103.
- steatite quarries in 15: 124.
- stone-implement work at 15: 100.

Little Fire Fraternity, Ma'tke 'San'-nakwe

- medical practice of 30: 39, 49.
- of the Zuñi 23: 549-569.
- use of *Datura* by 30: 46.

Little Harpeth River, Indian settlements on 41: 561.**Little Horn.** *See* Ätéstist.**Little House**

- approach to 39: 80, 82.
- ceremonial approach to 36: 248.
- use of 36: 249.

Little Indian Rock, Pa. 10: 106 sq.**Little Lake.** *See* Round Valley Reserve.**Little-Man, letter** 4: 160.**Little Men, myths concerning** 19: 252 sqq., 295, 297, 435, 436, 438.**Little Miami River, ware of** 20: 184 sqq.**Little Mountain.** *See* Dohásän.**Little-no-Heart, delegate to Washington** 14: 891.**Little Old Men**

- character of organization of 36: 59.
- formation of association of 36: 48.
- language of 36: 55.
- origin of 43: 29 sq.

Little Osage Village, location of 36: 44.**Little People**

- myths concerning 19: 289, 333 sq., 430, 455, 464.
- story of the 44: 250.
- supernatural power of 42: 496 sq.
- treatment of disease caused by 42: 649 sq.

Little Popo-Agie, pictographs on 4: 24.**Little Priest, Grizzly-bear dance given for benefit of** 37: 348.**Little Priest's Village, location of** 37: 51.**Little Prince**

- also called Cowabbe 42: 322.
- at Coweta 42: 309.
- head chief of the Creeks 42: 310, 315, 328, 329.

Little Rapids Mission, reservation at 18: 756.**Little Rattle-Pod** 33: 91.**Little Raven**

- an Arapaho chief 14: 957.
- delegate to Wovoka 14: 900.
- song composed by 14: 998.

Little-Red-Bird, account of life of 37: 396 sq.**Little Robe.** *See* Kääsä'nte.**Little Rock, Ark.**

- bottle from 20: 90.
- pottery on mound of 4: 415.

Little Rock of the Marsh 43: 88.**Little Sandusky, treaty of** 18: 724.**Little Screech-Owl Dance, a prayer to the screech-owl** 42: 549.**Little Singer, maker of dice, Navaho** 24: 96.**Little Soldier, mystery decoration of** 11: 395.**Little Song of the Gathering** 36: 253.**Little Songs of the Sun** 36: 63 sq.; 39: 280-283.**Little Spotted Buffalo Ceremony**

- comparative notes on 40: 502 sqq.
- details of 40: 515 sqq., 535 sqq.
- songs of 40: 519-533.

Little Spotted Buffalo Society

- account of origin of 40: 497-539.
- members of 40: 505.
- songs of 40: 519-533.

Little Standing Buffalo, aid by 10: xix.**Little Tallessey.** *See* Otciaopofa.**Little Tennessee**

- towns, burning of (1788) 19: 65.
- Valley mound 5: 78, 79.

Little Traverse Bay, reservation at 18: 756.

- Little Turtle**, defeat of St. Claire by 19: 212.
- Little Valley**, settlement at 14: 515.
- Little Village**, location of 27: 100.
- Little Whale River Indians**, description of 11: 182.
- Little Woman**, songs composed by 14: 1032, 1035, 1036, 1038.
- Little Wound**
conduct of, in Sioux outbreak 14: 884.
Ghost dance council held by 14: 820.
ignored in Sioux difficulty 14: 832.
Kicking Bear's surrender effected by 14: 868.
operations of, in Sioux outbreak 14: 881.
- Liver** of seal 35: 453, 454, 455, 457.
- Livestock**
disease whipped from 47: 120 sq.
raising of 47: 32 sq.
- Living Sepulchres** 1: 182.
- Liwahali**
allocation of clans in beds at 42: 201-204.
arrangement of square ground of 42: 221 sq., 257.
clan councils of 42: 127.
clans of, furnishing chiefs and henihahas 42: 193.
clans, phratries and moieties of 42: 159 sq.
oldest Upper Creek Red town 42: 263.
position of beds at 42: 198.
story regarding 42: 69.
See also **Holiwahali**; **Ulibahali**.
- Liwahali Seminole**
a Red town 42: 127, 257.
allocation of clans in beds at 42: 201-204.
arrangement of square ground of 42: 234, 290, 291.
at Tukabahchee busk 42: 559, 568.
clans of, furnishing chiefs and henihahas 42: 193, 194.
clans, phratries and moieties of 42: 161 sq.
decline at, of the busk 42: 188.
plan of ceremonial ground of 42: 234, 291.
position of beds at 42: 199.
- Liwale**, advent of 47: 332.
- Liwan**, Isleta supernaturals 47: 343 sq.
- Lizard Clan**. *See* **Kükütc Clan**.
- Lizard-god** 33: 305, 306, 325, 624, 625, 636, 637, 650, 656, 661.
- Lizard People** move from Walpi 8: 31, 38.
- Lizards**
among the Pima 26:
fevers caused by 264.
in mythology 221, 237.
in song 308, 309, 312 sq.
not eaten 83.
as charm 35: 645, 646.
belief concerning 40: 357.
binas from 30: 288.
connection of, with witchcraft 42: 635.
design of, on bowl from Kintiel, description and figure of 22, i: 132.
in Cherokee myth and lore 19: 306 sq., 407.
in Pima legend 28: 46.
modeled figure possibly representing, Miami Valley pottery 20: 185.
monster, tale of 42: 495.
symbolism of, of the Maori 16: 226.
transformation of 30: 245.
use of, as food 14: 287; 38: § 216.
- Lizazoin**, Tomás Ignacio, on Seri ravages 17: 75 sq.
- Llama**, former habitat of 14: 549.
- Llanero Apache Indian**, Tewa name for 29: 574.
- Llano, N. Mex.**
archeological work at 41: 39.
population of 26: 21.
- Llauto**, cotton leg-bands of Carib Island women 38: § 552.
- Llenas, Señor** —.
acknowledgment to 25: 18.
on Antillean workshop 25: 91 sq.
on skulls from Santo Domingo 25: 83.
- Llopa**. *See* **Yupa**.
- Lloyd**, —, map, 1862, on influence of wild rice on geographic nomenclature 19: 1118.
- Lloyd, H. Evans**, reference to work of 11: 501.
- Llunas, Juan Antonio**, Pima chief 26: 240.

- Loach Sign** on Eskimo implements 18: 326 sq.
- Loans** among the Eskimo 18: 294 sq.
- Loasaceae** 33: 103.
- Lobate Stone** 34: 229.
- Lobed Figures**, significance of 20: 100.
- Lobed Vases**, Northwestern group 20: 191 sq.
- Lobelia**
 medicinal use of 44: 322.
 red 33: 129.
- Lobelia Cardinalis**
 human transportation of 33: 60.
 mention of 33: 129.
- Locality**, sense of 38: § 784.
- Location**
 of the Pima 26: 19, 20.
 of the Tlingit 26: 396 sq.
- Lochaber, S. C.**, treaty at 42: 758.
- Lock and Key** of wood, how made 8: 187.
- Lockanok** 46: 189.
- Locke, John**
 allusion to investigations of 12: 440.
 estimate by, of cubic contents of walls at Fort Ancient 12: 492.
 Indian law of North Carolina drawn up by 18: 627.
- Locked Pattern** of weaving 38: § 114.
- Lockhard Farm**, flint on 44: 510 sqq.
- Lockhart, —**
 instructions to, concerning Walker River reserve 18: 873.
 recommendation concerning reserves by 18: 837.
- Lockport, N. Y.**, Indian trade in maple sugar at 20: 33.
- Lockwood, James H.**, on Dakota wild rice thanksgiving feast 19: 1091.
- Lockwood, Miss Mary** 1: 224.
- Loclumne** land cessions and reservations 18: 786.
- Loco Weed**
 a forage plant 45: 516.
 use of 45: 468, 473 sq., 507.
- Locomotive**, myth concerning 19: 351.
- Locust, Honey**, medicinal use of 42: 669.
- Locust Tree.** *See* **Hymenaea Courbaril**.
- Lodge**
 burial 1: 152.
 burial, Crow 1: 153.
 burial, Esquimaux 1: 156.
 burial, Indians of Bellingham Bay 1: 154.
 burial, Indians of Costa Rica 1: 154.
 burial, Sioux 1: 152, 153.
 ceremonies and beliefs respecting 11: 274, 458, 487.
 destruction of, by fire 32: 417, 445, 755.
 entrance way to, treatment of, in Hako ceremony 22, ii: 36, 37.
 erection of, by magic 32: 214, 349, 350, 392.
 for reception of dead 32: 547.
 for storing utensils 44: 308.
 for sugar making 44: 308.
 location of, among the Assiniboin 15: 224.
 of the Siouan Indians 15: 172.
 of the Winnebago 15: 241.
 sites 44: 433 sq.
 sites along Saline River 42: 808.
 Smohalla ceremonial 14: 726.
 the father's, diagrams of 22, ii: 59, 62.
 the son's, consecration of 22, ii: 309 sqq.
 the son's, diagram of, before taking the child 22, ii: 210.
 the son's, diagram of, during the preparation of the child 22, ii: 214.
 the son's, diagram of, during the presentation of the Hako 22, ii: 257.
 treatment of, in Hako ceremony 22, ii: 33, 34.
 turned to red-hot flint 32: 205, 398, 405, 409, 428.
 use of, in Sacred Pole ceremony 27: 231.
 See also **Earth Lodge; Houses; Lodges; Sweat Lodge; Wikiup.**
- Lodge-shaped Baskets**, term for 41: 397.
- Lodgepole Pine**, use of 45: 461, 483, 496, 504.

Lodges

- bark 45: 61, 228 *sq.*, 332 *sq.*
- brush 45: 62.
- burial in 46: 573.
- burned after a death 45: 174.
- ceremonial, of the Winnebago 14: 110.
- conical mat 45: 227.
- conical, or tent 45: 332.
- construction of 46: 577 *sq.*
- for women and girls 45: 62, 228.
- fumigation of, after a death 45: 174.
- furnishing of 45: 63 *sq.*
- long 45: 58-61, 227 *sq.*, 331.
- manner of using 46: 578.
- mat, description of 45: 58.
- of earth, use of 13: 271.
- of the Eskimo 18: 242, 260-263.
- of the Menomini 14: 253.
- of the Winnebago 37:
 - arrangement of, for War-bundle feast 530.
 - bark 104.
 - ceremonial 105.
 - ceremonial circuit of 432.
 - construction of, by women 106.
 - council 163.
 - erection of 481.
 - gable 104, 105.
 - of Bear clan, diagram of 229.
 - of Bear clan, position of 229.
 - of chief, a refuge 320.
 - orientation of 443.
 - purification of 445, 532.
 - reed matting 104.
 - sweat, form of 105.
- Omaha, how constructed 13: 269.
- orderly life in 46: 507 *sq.*
- skin 45: 58, 229.
- soldiers' 46: 436.
- square or square-topped 45: 227.
- underground 45: 62, 226 *sq.*, 331.
- See also* Council Lodge; Earth Lodge; Jugglery; Lodge; Medicine Lodge; Sacred Lodge

Loew, Dr. Oscar

- on Acoma 29: 543.
- on Astialakwa 29: 397.
- on Chilili 29: 531.
- on Jemez 29: 401, 403.
- on Laguna 29: 540.
- on Patoqua 29: 397.

95719°—33—39

Loew, Dr. Oscar—Continued

- on pictographs 4: 31.
- on Pogueate 29: 538, 539.
- on Pojuaque 29: 335.
- on San Felipe 29: 499.
- on Santa Ana 29: 520.
- on Sia 29: 518.
- on Taos 29: 181.
- on Yuqueyunque 29: 227.

Lofkas 46: 138.**Loft, William K., assistance of 36: 14.****Log Burial**

- Danish 1: 139.
- in trees, Loucheux 1: 166.
- mention of 1: 138, 139.
- See also* Logs.

Logan, Mrs. —, story of 2: 100.**Logan, James**

- killed at Wounded Knee 14: 872.
- quoted on Creek annuities 42: 317.
- quoted on Creek government 42: 320 *sq.*

Logan, J. H., quoted on South Carolina's Indian policy 18: 632.**Logan, Phoebe, Seneca informant 32: 52.****Logan, W. Va., Indian settlement at 42: 766.****Logan's Fort, near Stanford 42: 803.****Logan's Old Fort, location of 42: 800.****Logansport, treaty of 18: 754.****Loge Bay, mounds and garden beds 37: 99.****Logistic Language**

- development of 22, i: xxxi.
- evolution of 20: CLXIX *sq.*

Logs

- hauling over 38: § 800.
- the floating, Navaho myth 8: 278.
- use of, in construction of buildings at Pueblo Viejo ruins, mention of 22, i: 177.

Lohim

- habitat of the 14: 742.
- sketch of the 14: 743.

Loiica

- derivation of 21: 125.
- description of 21: 61.
- introduction of, into Tusayan 21: 62.

Loin Cloth. *See* Apron.

- Loisa**, a Porto Rican chieftainess 25: 39.
- Lokomo**. *See* Arawak.
- Lokotaaka**, Ala clan at 19: 590.
- Loláca Indians**, beliefs of, as to eclipses 30: 257.
- Lolo, Jean Baptiste**, a Kamalooops chief 45: 264.
- Lolos**, of *China*, written characters of 10: 674.
- Lomen, Alfred** 46: 86.
- Lomen, Carl** 46: 31, 115, 116, 117, 174, 181, 202.
- Lomen, J. G.** 46: 31, 86, 87.
- Lomen, Ralph** 46: 117.
- Lomen Brothers** 46: 84, 167, 172.
- Loms**. *See* Hymenaea.
- Lonchocarpus** sp.
sap drunk when water is scarce 38: § 254.
See also Haiari.
- London, Ky.**, trails to 42: 801 sq.
- London Company**
charter of 18: 529, 550, 563.
Indian policy of 18: 563 sq.
- Lone**, pictograph for 10: 595 sq.
- Lone-Bear**. *See* Set-pä'go.
- Lone Butte, Nev.**, petroglyphs on 4: 24; 10: 92.
- Lone-Chief**, a Pawnee chief 17: 334.
- Lone-Dog**, winter count of 10: 266, 273-287; 17: 142, 146.
- Lone Dog Winter Count**
of the Sioux 26: 34.
system, discussion of 4: 90, 99-127.
- Lone-Horn**, fate of 4: 115 sq.
- Lone Peak**, myths concerning 19: 335.
- Lone Wolf**
a Kiowa chief 14: 1079; 17: 233.
capture of 17: 187.
death of 17: 219.
death of relatives of 17: 337.
delegate in 1872 17: 192.
delegate to Washington in 1892 17: 223, 364.
deportation of, to Florida 17: 215.
fight precipitated by 17: 205.
hostile threats by 17: 197, 199.
hostility of, in 1874 17: 204.
judge of Indian court 17: 220.
presence of, at Washita council of 1872 17: 190.
- Lone Wolf**—Continued
surrender of 17: 211.
See also Gúi-Pä'go.
- Lone Woman**, Eskimo legend of 18: 479.
- Long, —**
cited as authority 27: 184.
on Cheyenne name of Sioux 14: 1057.
- Long, George**, mention of 42: 576.
- Long, J.**, cited 4: 87.
- Long, Jack**
information furnished by 24: 158.
on dice game, Chippewa 24: 65.
on hand game, Yakima 24: 307.
on hoop and pole, Caughnawaga 24: 474 sq.
on racket, Chippewa 24: 564.
- Long, John**
on Dakota wild rice moons 19: 1090.
on dependence of fur traders on wild rice 19: 1102.
on popular synonym for wild rice 19: 1023.
on synonym for Menomini Indians 19: 1048.
on wild rice baby food 19: 1086.
on wild rice death feast of Potawatomi 19: 1091 sq.
on wild rice north of Lake Superior 19: 1037.
- Long, M. C.**
pottery from collection of 20: 88.
reference to 44: 474.
- Long, Maj. Stephen H.**
cited on beliefs 11: 448.
on barbed and barbless arrows 13: 150.
on chungke stones 13: 99.
on hoop and pole, Pawnee 24: 463, 513.
on Indian horsemanship 13: 280.
on Kansa lodge 13: 269.
on Kiowa in 1820 17: 168.
on Omaha bow wood 13: 285.
on Omaha customs 11: 375.
on rites of puberty 11: 483.
on use of stone axes 13: 63.
possible reference to Kiowa Apache by 17: 246.
quoted 4: 150, 151.
reference to work of 11: 363, 503.

- Long, S. S.**
 on domestic animals among Plains tribes 15: 174.
 on Siouan use of dogs 15: 171.
- Long, T. H.** 46: 48.
- Long, W. W.**, collection of Cherokee formulas and songs prepared by 7: 317.
- Long Bones.** *See* **Bones, Long.**
- Long Consonants**
 Delaware, Munsee 28: 290a.
 Piegan 28: 229 sq.
- Long Dance**, performance of 42: 566, 610.
- Long Dew Clan**, native name for 42: 116.
- Long-Foot.** *See* **Ánsogíāni.**
- Long H Ranch**, excavation at 47: 5.
- Long Hair**
 chief of Ohio band 19: 79.
 Crow chief, mention of 46: 479.
- Long-hair Dance.** *See* **Añya.**
- Long-haired People**, a Cherokee clan 42: 118.
- Long Horse**, burial of 1: 153.
- Long Houses**
 the property of the band 45: 163.
See also **Lodges.**
- Long Island, N. Y.**
 battle near 19: 48.
 character of ware of 20: 178.
 cession of 19: 85.
 treaty of, 1777 19: 53.
 treaty of, 1781 19: 59.
 tribes of, affiliations of 43: 210.
- Long Island, in Holston River**, trail to 42: 749, 801.
- Long Island, in Tennessee River**
 successive occupation of 42: 751.
 trail crossing at 42: 750, 751.
- Long Island Town**, building of 19: 54.
- Long Knife**, Dakota name for American 27: 611.
- Long-life Giver** 35: 737.
- Long-life Maker** 35: 706, 707.
- Long Lodge**, turned to red-hot flint to destroy enemy 32: 212.
- Long-nose God**, in Maya codices 16: 210, 217, 251, 258.
- Longevity**
 among the Menomini 14: 45.
 among the Northern Indians 11: 190, 270.
 of the Indians 46: 513.
- Longtail, Philip**, work of 15: xxxv, xxxix, lxxxiv.
- Lonicera**, use of 44: 290, 340.
- Lonicera Ciliata** 45: 471, 499, 515.
- Lonicera Involucrata** 45: 457, 459, 511.
- Lono** 33: 303, 649, 654.
- Lonoikamakahiki** 33: 296, 312, 321, 620, 634, 650, 652.
- Loo**
 day symbol, discussion of 16: 241.
 day symbol, signification of 16: 253, 254.
See also **Guilloo; Lao.**
- Looking-alike.** *See* **Pätso'gáte.**
- Looking-Glass**, a Nez Percé chief 14: 714.
- Looking-glass**, string figure of 38: § 662.
- Looking-up**, an Arapaho division 14: 957.
- Lookout, Mrs. Fred**, specimen presented by 37: 30.
- Lookout Mounds**
 at Santa Rita 19: 685 sq.
 location of 37: 99.
- Lookout Mountain Town**, building of 19: 54.
- Loom**
 appurtenances 8: 212.
 ceremonial, sale of 45: 694.
 for band making 38: § 55.
 for hammocks 38: § 465.
 implements, collection of Indian 3: 580.
 Navaho 2: 434; 3: 377.
 posts of kivas 8: 128 sq., 132.
See also **Weaving.**
- Loon**
 a man-being in Iroquoian cosmology 21: 179, 285.
 Eskimo myths concerning 11: 262.
 hearts of cannibals hidden beneath wings of 32: 136.
 skin, Eskimo ceremonial objects made of 18: 355, 417.
 skin, Eskimo clothing made of 18: 31, 288.
 skin, Eskimo hunting bag made of 18: 167.
- Loop Plaiting**
 with four loops 38: § 45.
 with five loops 38: § 46.

Loop Work

cotton, on a frame 38: § 56.

foot of basket 41: 193.

rims 41: 184 sq.

Loophole-like Openings in Pueblo buildings 8: 127, 198.**Loopholes in cliff houses** 16: 135.**Lopez, Diego**

adventure of, at Tiguex 14: 496.

appointment of, as army master 14: 508.

appointment of, as captain 14: 477.

horse of, killed at Cibola 14: 557.

Samaniego succeeded by 14: 480.

visit of, to Haxa 14: 505.

Lopez y Cardenas, G. *See* Cardenas.**Lophortyx Gambeli**, eaten by Pima 26: 80.**Lepophora Williamsii** 33: 104.**Lopseed**, use of 44: 291, 342.**Lorain County, Ohio**, rock carvings in 4: 21.**Lord, C. H.**, deputy agent for Pima 26: 33.**Lord, J. K.**, on shell money 2: 239.**Lords of Trades**, quoted on English and Colonial Indian policy 18: 554-557, 582.**Lord's Prayer**

Mohegan 43: 251.

Picuris 43: 396.

Lorenz, —, acknowledgment to 18: 211.**Lorenzana** on Cempoalan ruins 25: 233.**Loretto Indians**, medicine-men of 26: 257 sq.**Lorillard City**, bas-reliefs at 19: 672.**Lorimer**, a Caughnawaga chief 14: 24.**Loromie's Store**, cession of land at 18: 654.**Loron**

a Penobscot chief 43: 174.

origin of the name 43: 174.

Los Angeles, Calif.

mnemonic device of Indians of 10: 223.

pictographs at 4: 35, 36, 61, 156 sq., 182, 198.

Los Letreros, Canary Islands, petroglyphs at 10: 183 sqq.**Los Muertos**

excavations at, in Arizona 14: 518.

masonry of ruins of 13: 360.

Los Muertos Ruins, reference to 28: 114 sq.**Losa, Roderigo Rio de**, on Quivira 29: 565.**Losh**

Eskimo implements for catching 18: 180.

Eskimo use of skin of 18: 118.

Loskiel, George Henry

account of wampum by 2: 245.

on Delaware-Cherokee relations 19: 378, 494.

on dice games, Conestoga 24: 105.

on manufacture of wampum 2: 235.

on name Tallige'wi 19: 184.

on origin of the word wampum 2: 239.

on the antiquity of use of wampum 2: 235.

on wampum 2: 250.

Loss of Speech by isolation 1: 278.**Lossing**, —

on battle of Hillabee 19: 91.

on battle of Horseshoe Bend 19: 96.

on battle of Tallaseehatchee 19: 91.

on garrisoning of Fort Armstrong by Cherokee 19: 92.

Lost Bird. *See* Zitkala-noni.**Lost Color**

group of Chiriquian pottery 6: 113-130.

of Chiriquian art, nature of 6: 86.

Lost Ten Tribes of Israel. *See* Origin of American Indians.**Lõtca Hadjo**, head chief 42: 331.**Lotophagians**, aquatic burial of 1: 180.**Loubat Prize**, awarded to Dr. John R. Swanton 34: 14.**Loucheux**

classification of, as Athapascan 7: 52.

Hardisty's account of organization of 31: 478 sq.

log burial of, in trees 1: 166.

mention of 46: 150.

Loudon County, Tenn., vessel from 20: 181.

- Loughridge**, —, account by, of brass plates 42: 506 sq.
- Loughridge and Hodge**, list of months given by 42: 401.
- Louis XV**, charter granted by 18: 545 sq.
- Louisiana**
 archeology of 12: 250 sqq.
 Biloxi Indians of 14: XL.
 Catahoula parish, Troyville mounds 12: 250, 251.
 cession of, to Spain 19: 40.
 coiled Indian ware in 4: 275 sq.
 discoidal stones from 13: 106.
 ethnological studies in 13: XXXIII.
 explorations in 44: 405-436.
 Indian regulations in treaty ceding 18: 534.
 linguistic stocks of 27: 8 sq.
 linguistic work in 8: xx.
 mounds in 5: 11.
 pictographs in 4: 241.
 plummet from, described and figured 13: 111.
 pottery making by Indians of 20: 56, 57.
 pottery of 4: 399, 431; 20: 102, 103.
 reference to 27: 74.
 researches in 29: 13; 30: 11, 18, 19.
 split-cane matting from 13: 37, 38.
 stemmed flints from 13: 152, 156.
 Tensas parish, St. Joseph mound near 12: 252.
 Washita parish, Pargoud group 12: 250.
- Louisiana Purchase**, reference to 27: 613, 619.
- Louisiana Purchase Exposition**
 Bureau exhibit at 24: XXVII; 25: X, XI sqq., XIV, XVI, XXII; 26: XIII, XXVII.
 plans of ancient Mexican buildings made for 24: XXVIII.
- Louisiana State Seminary**, Lower Mississippi Valley ware in collection of 20: 102, 103.
- Louison**. *See* Weesaw.
- Louisville, Ky.**, trail to 42: 760.
- Loup County, Nebr.**, reference to 27: 100.
- Loup Fork**
 occurrence of remains of Pawnee villages on 20: 200.
- Loup Fork—Continued**
 pottery making in villages on 20: 58.
- Loup Fork Pawnee**, treaty with 18: 750.
- Louse**
 in Pima creation legend 28: 49.
See also Lice.
- Love, W. H.**
 acknowledgment to 15: 18, 76.
 collections of 15: 79.
 rhyolite blades found by 15: 76.
- Love**
 before marriage, Tsimshian 31: 420.
 between husband and wife, Tsimshian 31: 421 sq.
 binas for, Guiana Indian 30: 285-288.
 charms, Creek 42: 499, 500, 635 sq.
 charms, description of 47: 139.
 charms, made of flowers 47: 874.
 charms, plants used in 33:
 blood root 83.
 fuzzy-weed 134.
 ginseng 106.
 lobelia, red 129.
 love seed 107.
 meadow rue 80.
 wild columbine 82.
 charms, type of 47: 492.
 charms, Thompson Indians 45: 506, 507.
 general discussion of 31: 420 sqq.
 making, among the Zuni 23: 294.
 of children, Guiana Indian 38: § 911.
 powders of the Menomini 14: 67, 153 sq.
 powders of the Ojibwa 7: 258.
 signs for 1: 345, 521.
- Love Charms**. *See* Love, charms
- Love Game** 24: 529.
- Love Seed** 33: 107.
- Love Songs**
 Kwakiutl 35: 1298.
 Omaha, description of 27: 319 sqq., 375.
 of the dead 35: 1036.
 of Tsāk'ēdek^a 35: 1301.
 retort to 35: 1299.
- Love Vine** 33: 110.
- Lovely's Purchase** 5: 245.
- Lover's Game** 24: 529.

- Lovewell, —**, Indian scalp hunting by 19: 208 *sq.*
- Low, —**, on capture of Hillabee 19: 91.
- Low, C. F.**
 archeological paper by 20: 184.
 shell spoons collected by 2: 200.
 shell spoons described by 2: 200.
- Low-low.** *See* **Laulao.**
- Low Tribes** of men, gestures of 1: 279.
- Lowden, Old** 46: 50, 51, 136.
- Lower Animals**, gestures of 1: 279.
- Lower Blue Licks**, location of 42: 787.
- Lower Brulé**, Ponca name for 27: 103.
- Lower Brulé Agency**, control of Indians at 14: 849.
- Lower Brulé Reserve**
 addition to 18: 938.
 establishment of 18: 934.
- Lower California**
 colony in, under Cortés 14: 351.
 Cortes' colony recalled from 14: 369.
 early name of 14: 351.
 native population of, unknown 7: 138.
 petroglyphs in 10: 683.
 rock paintings in 10: 131.
 use of medicine tubes in 13: 127.
- Lower California Tribes**
 calendar term of 26: 35 *sq.*
 human hair used by 26: 116.
- Lower Creeks**
 location of 42: 315.
 origin of the name 42: 307.
- Lower Eufaula**
 clan councils of 42: 126.
 Lower Creek Red town 42: 126.
See also **Eufaula Hobayi.**
- Lower Fraser Indians**
 basketry of 41: 133, 136.
 Flathead name for 45: 300.
See also **Stalo Indians.**
- Lower Harpeth and West Tennes-**
see **Trail** 42: 852 *sq.*
- Lower Jaw**
 angle 46: 305.
 Eskimo 46: 264, 358.
 hyperostoses 46: 306.
 in Western Eskimo 46: 242, 249, 252, 299, 324.
- Lower Jaw—Continued**
 in Yukon Eskimo 46: 161, 163.
 in Yukon Indians 46: 153, 157, 158, 300, 306.
- Lower Kutenai (Kootenai) Indians**
 baskets made by 41: 135.
 Flathead name for 45: 300.
- Lower Mississippi Mounds** 5: 11.
- Lower Mississippi Valley**
 form common in 20: 95.
 occurrence of pottery resembling that of, in Florida 20: 116.
 occurrence of pottery resembling that of, in Georgia 20: 138.
 pottery of 20: 81, 101-104.
- Lower Shawnee Town**, settlement of 42: 785.
- Lower Spokane**, population of 7: 105.
- Lower Thompson**, basketry of 41: 144, 156, 157, 158, 159, 174, 182, 204, 207, 208, 223 *sq.*
- Lower Towns**, territory covered by 42: 333.
- Lower Umpqua Villages**, location of 7: 134.
- Lower Utā'mqt**, basketry of 41: 446-452.
- Lowie, Dr. Robert H.**
 acknowledgment to 28: 225.
 on Northern Blackfoot 28: 230.
 references to 40: 357, 375, 548; 43: 216.
- Lowrey, Maj. George**
 letter to Calhoun by 19: 115.
 on Iroquois peace embassy 19: 486.
 signer of Act of Union 19: 135.
- Lowrey, Col. John**, part taken by, in Creek war 19: 90, 91, 97.
- Lowrie, Walter**, information obtained from 42: 505, 506.
- Lowry, John**, commissioner to urge Cherokee to remove 5: 262.
- Lōyalalawa** 35: 805.
- Lozania, Ygnacio**
 aid rendered by 17: XLII, 14.
 on Seri charm-trophies 17: 260*.
 portrait of 17: 13.
 remembrance of Andrade-Espence expedition by 17: 92.
- Lq'layāk**, Tlingit mythological hero 26: 402, 417, 452, 465.
- Lqoaye'di**, Tlingit clan
 history of 26: 410.
 phratry and tribe of 26: 398.

- Lubbock, John** (*Lord Avebury*)
 advocates Indian origin of mounds 5: 84.
 cited on primitive marriage 17: 284*.
 mention of 34: 130.
 on arrow-chipping 13: 142.
 on Fiji pot-shaping stones 13: 99.
 on mound-builders 12: 600.
 on primitive stone engraving 13: 164.
 on so-called "altars" 12: 608.
- Lucā'cak'li-ān**, Tlingit town 26: 397.
- Lucas**, native companion of Padilla 14: 400, 535.
- Lucas, F. V.**
 animal remains from Pueblo ruins identified by 22, i: 26, 110.
 on features of skull of dog found at Chaves Pass, Arizona 22, i: 27.
- Lucas, J. D.**, shell gorget collected by 2: 29.
- Lucayan Islands.** *See* Bahama Islands.
- Luce**, selection of reserves by 18: 847, 863.
- Lucero, J. Crecencio**
 information furnished by 24: 190, 798.
 on shinny, Tigua 24: 643.
 on tops, Tigua 24: 748.
- Lucero, Juan Domingo**, a scalp taker 47: 260.
- Lucero, Maria de la Luz**, reference to 29: 167.
- Lucero, Ramihon**, office held by 47: 259.
- Lucero, Don Tomas**, reference to 29: 160.
- Lucero Family**, marriages within 47: 235.
- Lucian, De Saltatione** of 1: 287.
- Lucky Days** and seasons 9: 461.
- Luctala**, ceremonial day of, in Hopi festival 21: 20.
- Ludlam, A. B.**, agent for Pima 26: 34.
- Ludlow, —**, purchase of land by 18: 615, 616.
- Luetkea Pectinata** 45: 472, 476.
- Luis**, a Franciscan friar 14: 556, 565, 579.
- Luis de Escalona**, settlement of, at Cicuye 14: 592.
- Luis de Ubeda**, remains at Cicuye 14: 401, 534, 535.
- Luisseños, The.** *See* San Luisseño Indians.
- Lukachukai Mountains**, description of 17: 477.
- Lukens, Dr. C. R.**
 material collected by 24: 121.
 on dice game, Keres 24: 121 sq.
 on hidden ball, Keres 24: 352.
- Lukin, I. S.** 46: 128.
- Lūk'lnaxa'dī**, Tlingit clan
 crests of 26: 416, 417, 418.
 history of 26: 412 sq., 414.
 names of 26: 422.
 phratry and tribe of 26: 400.
 standing of 26: 408.
- Lukuanni**, *Cichla ocellaris*, artificial fly for 38: § 192.
- Luku-luku**, snake fish, caught with cylinder fall trap 38: § 194.
- Lukunanijio**, yellow pigment 38: § 31.
- Lullaby Songs** 38: § 910.
- Lumber Curve**, Western Eskimo 46: 249.
- Lumholz, Dr. Carl**
 analysis of vocabulary collected by 17: LIV.
 collections by 16: XXXI.
 ethnologic work of 15: LXI, LXII, LXIV, LXVIII, LXXIX, LXXXV.
 material collected by 24: 152, 154, 660, 677.
 Mexican linguistic material of 16: XXI, XXXII, XXXVIII, XXXIX, XLV, XLIX, LVIII.
 on archery, Tarahumare 24: 389.
 on Australian ternary concept 19: 837.
 on ball race 24: 672-676.
 on ball race, Tarahumare 24: 677.
 on dice games, Tarahumare 24: 152.
 on dice games, Tepehuan 24: 154.
 on double ball, Tepehuan 24: 660.
 on Huichol cocoon necklaces 26: 169.
 on Mexican cave dwellings 13: 349.
 on quoits, Tarahumare 24: 724 sq.
 on rock crystals of shamans 26: 260.
 on shinny, Tarahumare 24: 631.
 on Tarahumare running 17: 125*.

- Lummi River**
 enlargement of reserve at 18: 868.
 establishment of reserve at 18: 800.
- Lummi Tribe**
 mention of 41: 136.
 population of 7: 105.
- Lummis, Dr. Charles F.**
 acknowledgment to 29: 12.
 Isleta tales of 47: 201.
 on Acoma 29: 544.
 on agates 29: 581.
 on Cochiti 29: 440.
 on dice games 24: 124, 191 *sq.*
 on Enchanted Mesa 29: 545.
 on Haatzte 29: 426, 427.
 on Isleta 29: 528, 529.
 on Laguna 29: 540.
 on Montezuma Well ruins 17: 546.
 on Pecos 29: 473.
 on Shi-pa-pu 29: 568.
 on Tajique 29: 533.
 popularity of 47: 207.
 tale recounted by 47: 25.
- Lumpkin, Wilson**
 commissioner to execute Cherokee treaty 5: 283.
 survey by 18: 697.
 surveyor to Cherokee line 5: 227.
- Lund, J. J.**
 custodian of Bureau property 23: XLII.
 work of 22, i: XL.
- Lung Trouble**, treatment for 44: 340.
- Lung Woman** in Menomini myth 14: 226.
- Lungs of seal** 35: 455, 457.
- Luo**, town chief, mention of 47: 256.
- Lupine Roots**
 boiled 35: 550.
 digging of 35: 198.
 eaten raw 35: 199.
 effect of eating 35: 199, 551.
 steamed 35: 552.
- Lupines**, food of deer and horses 45: 514.
- Lupinus Polyphyllus** 45: 461.
- Lupinus Rivularis** 45: 461.
- Lupinus sp.** 45: 514.
- Lupus** among the Pima 26: 268.
- Luqana'**, spirits among the Tlingit 26: 436.
- Luqā'xadi**, *Tlingit clan*
 crests of 26: 416.
- Luqā'xadi**, *Tlingit clan*—Continued
 history of 26: 412 *sqq.*
 names of 26: 422.
 phratry and tribe of 26: 400.
 standing of 26: 408, 427.
- Luray, Va.**, pottery from 20: 150.
- Lures** for fish, Eskimo 18: 195.
- Luschan, F. von** 46: 370.
- Lusher's Map**, description of 42: 815.
- Lustration** among the Pima 26: 204 *sq.*, 221.
- Lustre and Glaze** for pottery 38: § 93.
- Lutcapoga**
 allocation of clans in beds at 42: 201–204.
 an Upper Creek White town 42: 123, 254.
 arrangement of square ground of 42: 209 *sq.*, 216, 217.
 clan councils of 42: 123.
 clans of, furnishing chiefs and henihas 42: 192.
 clans, phratries and moieties of 42: 158 *sq.*
 laying out of busk ground of 42: 546.
 length of busk at 42: 590.
 name for assistant chief of 42: 286 *sq.*
 position of beds at 42: 198.
 selection of chief of 42: 285.
- Lütke, F. P.** 46: 330, 370.
- Lutuanian**
 clan system among the 24: XIX.
 family 7: 89 *sq.*
 implements employed by, in stick games 24: 227.
 linguistic affinities 15: XLIX, LIV.
 stock, tribes of the 24:
 Klamath 136, 247, 291, 328, 479, 659, 740.
 Lutwami 333.
 Modoc 293, 332.
- Lutwami**, four-stick game of the 24: 333.
- Llūḡa'cayik-ān**, *Tlingit town* 26: 397.
- Luzerne County, Pa.**, pottery from 20: 166.
- Lycalopex**. See *Canis Azarae*.
- Lycanthropy**, power of, claimed by Indian medicine-men 9: 458 *sq.*
- Lycoperdaceae** 33: 62.

- Lycoperdon Gemmatum** 33: 62.
Lycopodium Obscurum, use of 44: 290, 362.
Lycopus Asper, use of 44: 290, 307, 320.
Lycopus Uniflorus 45: 480.
Lydite. See **Chert**, varieties of.
Lye
 use of, in hominy making 30: 74.
 use of, in net making 13: 26.
Lye Drip (?) Clan, native names for 42: 115.
Lygodesmis juncea 33: 136.
Lying
 a common custom 46: 482.
 wife's maid killed for 31: 435.
Lying-in
 house for 30: 250, 321 sq.
 of husband 30: 320 sqq.
 of wife 30: 321 sq.
 See also **Childbirth**; **Couvade**; **Labor**.
Lyman, Capt. Wyllis, attack on supply train of 17: 210.
Lynd, J. W.
 cited on Indian beliefs 11: 375, 436, 527.
 quoted on ghost beliefs 11: 484, 489.
 quoted on Heyoka gods 11: 469.
 quoted on Ikto gods 11: 472.
 quoted on Indian beliefs 11: 431, 445, 473, 493.
 quoted on Indian ceremonials 11: 437.
 quoted on Sun dance 11: 450.
 reference to work of 11: 363.
Lynxes
 as symbol of courage 39: 58, 244.
 Eskimo snares for 18: 121 sq.
 myths concerning 11: 148.
 use of, for food 11: 279.
Lyon, —, acknowledgment to 25: 274.
Lyon, G. F.
 cited 6: 410, 451, 463, 487, 497, 511, 579, 585, 586, 587, 588, 589, 590, 592, 593, 610, 612, 613, 614, 615.
 description of Eskimo houses by 9: 72.
 mention of 46: 218, 348, 370.
 on Eskimo basket weaving 9: 327.
 on Eskimo fire-making 9: 290.
 on Eskimo harpoons 9: 221.
Lyon, G. F.—Continued
 on Eskimo kaiaks 9: 333, 334.
 on Eskimo needle-cases 9: 322.
 on Eskimo sledge-shoes 9: 353.
 on Eskimo snow-shoes 9: 306.
 on Eskimo umiaks 9: 339.
 work of, consulted 9: 23.
Lyon, S. S., shell spoons collected by 2: 200.
Lyons, Abraham, appointed agent for Pima 26: 33.
Lyons, W. J.
 aid rendered by 17: 14.
 reported concession to, on Tiburon 17: 122*.
Lytle, A., mound on farm of, North Carolina 12: 348.
Lyttle, Robert T., map of, 1837, on influence of wild rice on geographic nomenclature 19: 1117.
Lyttleton, Governor —, negotiations with Cherokee by, in 1758-1759 19: 42.
Lytton Bands
 basketry of 41: 156, 166, 182, 201 sq., 204, 205, 208, 209, 231, 257, 331-334, 378, 435, 437-441, 443 sq., 453.
 designs of 41: 331-334.
 dyeing methods of 41: 147.
 territory of 45: 447.
- M¹**
- Ma**, meaning of 16: 234.
Maam, *Tinamas* sp. (scrub turkey), taming of 38: § 724.
Ma'am. See **White People**.
Maãmtag'ila
 history of 35: 891-938.
 mention of 35: 805, 938-951.
 names and crests of the 35: 785.
 sea-gull, ancestor of 35: 786.
Ma-ayal Mountain. See **Crooked Mountain**.
Mabila
 a stockaded town 42: 438.
 See also **Mobile Indians**.
Mabodamaca, a Porto Rican cacique 25: 40.
Mabouya
 derivation of the term 25: 130.
 See also **Priesthood**.

¹ Names beginning with Mac and Me are arranged separately; those beginning with M' are arranged under Me.

- Maboya**
 a sky god 34: 264.
 eclipses caused by 30: 255.
 nature of 30: 163, 165, 177.
 smell of 30: 177.
 storms caused by 30: 269.
See also **Bush Spirits**.
- Maboyas**. *See* **Mabouya**.
- Mabubu**, knapsack 38: § 450.
- Maby**, drink 38: § 263.
- Mac**, symbol for 16: 212.
- Macana**, an Antillean club 25: 93, 209.
- Macaque**
 a Pueblo settlement 14: 517.
See also **Matsaki**.
- Macarana Parrot**, taming of 38: § 716.
- Macauley**, *Capt. C. N. B.*
 material collected by 24: 456.
 on dice games, White Mountain Apache 24: 90 sq.
 on hoop and pole, White Mountain Apache 24: 456-459.
- Macauley**, *James*, quoted on Dutch and Colonial Indian policy 18: 578, 579, 612.
- Macaw**
 beliefs concerning 30: 243, 275, 371.
 feathers of, for arrows 38: § 132.
 feathers of, for feather crowns 38: § 519-527.
 in Tewa conception 29: 43.
 symbol in Maya Codex 16: 238.
 taming of 38: § 724.
 Zuñi mythic origin of 13: 384.
- Macaw People**, pueblo of, mythic 29: 571.
- Mac-cab**, definition of 16: 262.
- MacCauley**, *Rev. Clay*
 cited on clan name 42: 119.
 contributor to Bureau 48: 1189.
 hair dressing illustrated by 42: 684.
 obituary of 48: 1221.
 on Menomini Dreamer Society 14: 160, 161.
 on Seminole Indians of Florida 5: XLVIII-L, 469-531.
 work of 2: xxv.
- MacCauley**, *H. Clay*, on wild rice in Florida 19: 1029.
- MacCormack**, —, collection by 19: xxix.
- MacCurdy**, *Dr. G. G.*, reference to 46: 174, 332, 333, 351.
- MacDonnell**, *Australia*, petroglyphs in 10: 161.
- Macedonia Church**, use of clay from, by Cherokee potters 20: 56.
- Macfarlane**, *John R.*, on wild rice in Pennsylvania 19: 1031 sq.
- MacGowan**, *Dr. D. J.*
 on Ani' Kuta'nī 19: 393.
 on farewell address of Floyd Welch 19: 226 sq.
 on Ketoowah society 19: 226.
- Machaeranthra**
 legend concerning 30: 94.
 use of, in ceremonies 30: 94 sq.
- Machaloha**, sale of land by 18: 595.
- Machapunga**, circumcision among the 42: 698.
- Machias Bay**, *Me.*, inscriptions at 10: 34.
- Machiasport**, *Me.*, petroglyphs in 10: 81 sqq.
- Machonce's Village**, reservation at 18: 676.
- Macibol**
 description of 21: 87.
 identity of, with Calako 21: 49, 87.
- Macikwayo**, personation of, in Pam-ürti 21: 27, 29.
- Macileña**
 altar, same as Drab Flute altar 19: 989.
 religious society at Walpi, source of 19: 623.
 society, personnel of 19: 996 sq.
- Mackahtahmoah's Band**
 cession of reserve by 18: 760.
 reservation for 18: 740.
- Mackall**, —, steatite quarry on farm of 15: 130.
- Mackay**, *A. H.*, on wild rice in New Brunswick and Newfoundland 19: 1037.
- MacKenzie**, *General* —, whipping of Cheyenne by 4: 146.
- Mackenzie**, *Sir Alexander*
 on dice games, Sekani 24: 97.
 on stick game, Takulli 24: 236.
 on wild rice northwest of Lake Superior 19: 1035.
- Mackenzie River**
 Eskimo of 46: 219, 229.
 totemic carving from 18: 426.
- Mackinac**, myth concerning 14: 199.

- Mackinaw**
 capture of 14: 55.
 meaning of 14: 976.
See also Michillimackinac.
- Mackinaw Island**, cession of 18: 656.
- Mackinaw Region**, manufacture of maple sugar by Indians of 20: 33.
- MacLean, Rev. John**
 on hand game, Blackfeet 24: 269.
 on hand game, Nez Percés 24: 305.
 on hoop and pole, Assiniboin 24: 502.
 on hoop and pole, Blackfeet 24: 444.
 on hoop and pole, Nez Percés 24: 493.
 on stick games, Assiniboin 24: 258.
- Maclean, J. P.**
 cited 12: 599, 601, 603.
 engaged on special work 12: 19.
 field work of 6: xxvii.
 investigations of, in Ohio 12: 440.
 on mound-builders 5: 83.
 on Ohio mounds 5: 13.
- Macloskie, G.**, on wild rice in New Jersey 19: 1031.
- Macmahola**, picture of 21: 116.
- MacMillan, Conway**, on wild rice in Winnipeg system 19: 1035.
- MacMurray, Maj. J. W.**
 acknowledgment to 14: 655.
 on Columbia Indian cosmology 14: 722.
 on eclipses predicted by Smohalla 14: 720.
 on Indian troubles in the northwest 14: 716.
 on Smohalla 14: 717, 718.
 on Smohalla religion 14: 719, 725.
- Maco Manuscript** 10: 673 sq.
- Macomb, J. N.**, earthenware from North Carolina presented by 8: xxvi.
- Macon**
 cession of reserve of 18: 718.
 reservation at 18: 676, 686.
- Macquari; Macuari.** *See* Makuari.
- Macrobrian Ethiopians**, preservation of the dead of 1: 136, 137.
- Macy, Zaccheus**, quoted on Massachusetts' Indian policy 18: 606.
- Mad Dog**, Tukabahchee chief 42: 322.
- Mad Dog King**, an influential chief 42: 323.
- Madden Farm Reserve.** *See* Tule River Reserve.
- Madeira and Mamore Rivers, Brazil**, petroglyphs on 10: 152-155.
- Madeline Island**, reservation on 18: 794, 820.
- Mādilbē**, origin of 35: 950 sq.
- Madison, Bishop** —
 on mound builders 5: 82, 83.
 on origin of the mounds 12: 598.
- Madison, William**, early Kiowa trader 17: 172.
- Madison, Wis.**, mounds near 5: 16.
- Madison County**, steatite quarries in 15: 132.
- Madison Tribe**, population of the 7: 105.
- Madisonville, Ohio**
 mounds at 4: 406.
 mounds near 5: 49.
 occurrence of handled pots at 20: 182.
 people of, compared with those of Gordon site 41: 554.
- Madisonville Literary and Historical Society**
 collections of pottery by 20: 184.
 pottery from 20: 184, 185.
- Madisonville Site**, comparison of, with Gordon site 41: 614.
- Madrid American Historical Exposition** 25: 18, 100, 102, 234.
- Madrid Museum**
 elbow stone in 34: 202 sq.
 specimens of 34: 213.
- Magalhaes, Doctor** —, on coiled pottery of the Araguaya River 4: 276.
- Magdalena, Sonora**, reference to 28: 218.
- Magemut**
 fighting qualities of 18: 329.
 range of 18: 26.
- Maggot** symbol in the codices 16: 232.
- Magi; Magimiut; Makki** 46: 130, 131, 142, 153, 154.
- Magic**
 acts of, performed by Father 47: 312 sq.
 association of, with sickness 27: 582, 583.
 compulsive 47: 491 sq.

Magic—Continued

- feats of, by medicine men 47: 122
sq.
in Cherokee myth 19: 243, 246,
255, 277 sq., 279, 320, 374 sq.,
393 sq., 434, 501, 502, *passim*.
in Pebble society 27: 565 sqq., 580.
in Pima flood legends 28: 45-52.
in Shell society 27: 547, 550, 551,
553, 554-565.
Indian practice of 19: 495.
Omaha attitude toward 27: 602.
performed by the Wabeno 14: 151.
Pima 26: 120, 201 sq., 258 sqq.
primitive 11: 197, 509.
"shooting" in ceremonies 27: 530
sq., 532, 537.
smoking in practice of 20: 44.
sympathetic, practiced on babies
44: 222.
sympathetic, Winnebago 37: 254.
See also Jugglery; Legerdemain;
Magical Power.; etc; Magicians;
Medicine-men; Occult Powers;
Sleight of Hand; Sorcery;
Theurgy; Witchcraft.
- Magic Fly**, Kwakiutl 35: 1224.
- Magical Objects** of the Tsimshian
31: 464-467.
- Magical Power**, criterion of 47: 285.
- Magical Practices** of Midewiwin
7: 205 sq.
- Magicians**, existence of 30: 351 sqq.
- Magiguadavic River, Me.**, rock carv-
ings on 10: 32.
- Magimiut.** *See* Magi.
- Maginus**, on labrets of South America
3: 83, 84.
- Magnioca.** *See* Cassava.
- Mago**
Opata word for poisonous plant 14:
538.
See also Yerba de Flecha.
- Magpie**
feathers, ceremonial use of 14: 999.
feathers, presented by Wovoka 14:
901.
feathers, prized by Paiute 14: 775.
held sacred in Ghost dance 14:
823, 982.
- Magpies**
a Black Corn group 47: 270 sq.
officials of 47: 270 sq.

Magpietail Boy, story about 43:
297-313.

Maguagua Reserve

- cession of 18: 690.
establishment of 18: 676.
- Maguck**, a Shawnee town 42: 786.
- Maguey**
fiber, Papago article of trade 26:
93.
fiber, preparation of 26: 142 sq.
use of, for clothing by Indians 14:
569.

Maguire, —

- cited on Eskimo reindeer hunting
9: 268.
cited on Eskimo salutations 9: 422.
commander of ship "Plover," re-
port of, consulted 9: 23.
visit of, to Point Barrow, Alaska 9:
52.

Maha; Mahahs, variants of Omaha
27: 80 sq., 622.

Mahadeo, a Hindu god, worship of
10: 196 sqq.

Mahan, I. L., on Chippewan mourning
1: 184.

Mahanarva. *See* Manarwa.

Mahchesaw's Band

- cession of reserve by 18: 758.
reservation for 18: 740.

Mahican

- association of, with Delawares 19:
498.
population of 7: 51.
relation of, to Pequot 43: 215.
separation of, from Delawares 19:
19.
See also Mohegan.

Mahican, Hudson River, affinities
of, with Mohegan-Pequot 43:
213-219.

Mahican-Wappinger Indians, con-
nection of, with southern New
England tribes 43: 214 sq.

Mahlemute

- crania 46: 254.
mention of 46: 89, 150, 162, 217,
218, 227.
skulls 46: 233, 234.
See also Malemut.

Mahler. *See* Maler.

Maho. *See* Hibiscus.

Mahoc, a Monakan division 15: 164.

Mahui. *See* **Kanaima.**

Mah-vip-pah. *See* **Babí'pa.**

Maiauhoalenalenaupena 33: 663.

Maichoppa, legend of 38: § 601

Maiden Spring, Va., pictographs at 4: 33.

Maidu

hand games of the 24: 297 *sq.*

language, grammar and vocabulary of 23: xxxv.

language, grammatical notes on 26: XXI.

Maihisikiri. *See* **Mansinskiri.**

Maikang, Makusi term for indigenous dog 38: § 717.

Maillard, L'Abbé —, work of, on Micmac 28: 269.

Maiming

practice of, by Siouan tribes 15: 169.

Wyandot law for 1: 66.

See also **Mutilation.**

Maine

antiquities from 30: 22.

field work in 20: ix, x; 21: ix, x; 22, i: ix, x; 23: ix, xiv.

Indian policy of 18: 609 *sqq.*

occurrence of exotic types of decoration in pottery of 20: 176, 188.

petroglyphs in 10: 81 *sqq.*

pottery of 20: 146, 179.

work in 19: xiii, xvii *sq.*

work on pictographs in 10: xii.

Maine Historical Society, extract from Proceedings of 18: 609.

Maios. *See* **Mute Dogs.**

Maipure Indians, legends of, on creation 30: 142, 145.

Maipuri. *See* **Tapir.**

Maiyatcotimiti, second assistant war chief 47: 45.

Maize

a life symbol 43: 60.

ceremonies connected with 45: 624.

cultivation of 27: 112, 269, 635; 38: § 244.

cultivation of, by mound-builders 12: 683.

description of 14: 518.

feast of, completing ceremony 43: 58.

for cigar wrappers 38: § 283.

for drink 38: § 264.

Maize—Continued

found in Pueblo ruins on Little Colorado River, character of 22, i: 101.

mention of 33: 67, 136.

origin of 27: 71, 76 *sqq.*, 147.

parts and preparation of 27: 269 *sq.*

Pima product 26: 68, 90.

red ears of, taboo of 27: 147 *sq.*

remains of store of 41: 566 *sq.*

rites connected with 27: 155, 159, 200, 261–269, 596.

rites connected with, Ponca 27: 45.

varieties of, cultivated by the Indians 12: 617.

See also **Corn.**

Majagua, bark for making trumpets 38: § 558.

Makah

basketry of the 41: 136.

ceremonials of the 3: 107, 111.

dance 3: 108.

games of the 24:

archery 383, 395.

bean shooter 761.

cat's cradle 762, 776.

dice games 197.

hand games 321 *sq.*

hoop and pole 421, 522.

ring and pin 528, 559 *sq.*

shinny 616, 643 *sq.*

shuttlecock 718 *sq.*

stick games 263 *sqq.*

tops 748

habitat of the 7: 130.

land cessions and reservations 18: 800, 860, 866.

manuscript on music of the 42: 15.

masks of the 3: 106–111.

mention of the 3: 106–111.

population of the 7: 130.

researches among the 41: 112 *sq.*

study of music of 44: 11.

tribe 7: 130.

uses of plants by the 42: 15.

Makai

class of Pima medicine-men 26: 256, 258 *sq.*

See also **Medicine-men.**

Makai-abáni, invocation of 30: 192, 349.

Makali'i 33: 305, 317, 630, 637, 639, 644, 648.

- Makaratali**, bark for wood-skins 38: § 798.
- Makatapi**, identification of, with the Dakota 15: 190.
- Make-no-Fight Dance** of the Omaha 3: 352.
- Makki**. *See* **Magi**.
- Mako' Gens**, Ponca, reference to 27: 309.
- Makonaima**. *See* **Makunaima**.
- Makto**, description of 21: 113.
- Maku**, *Maliocca bijuga*, eating of 38: § 247.
- Maku Indians**, burial customs of 30: 158.
- Makuari Dance**
 mention of 38: § 842-846.
 object of 30: 156.
 whips used in, legend concerning 30: 228 sq.
- Makuks** of birch bark 44: 388 sq.
- Makunaima**, legends concerning 30: 119, 130-136, 148, 199, 239.
- Makusi Indians**
 beliefs of 30: 160, 164, 165, 235, 236, 239, 260, 261.
 burial customs of 30: 155 sq., 157.
 comets among the 30: 259.
 couvade among the 30: 322, 324.
 exorcism among the 30: 197.
 food laws of the 30: 296, 297.
 legends of the 30: 135, 145, 152, 259.
 marriage ordeals of the 30: 314, 316.
 medicine men of 30: 341, 343, 351 sq.
 menstruation customs of 30: 310, 311 sq.
 names of 30: 306.
 natal customs of 30: 322, 323, 324.
 ordeals of 30: 278, 281, 308, 310.
 poisoning ascribed to 30: 346 sq.
 puberty customs of 30: 308, 310, 312.
 sickness among the 30: 341, 351 sq. 358.
 talismans of the 30: 290.
 vengeance among the 30: 356 sq. 358.
- Makyata**. *See* **Marata**; **Matyata**.
- Malahche**
 Coweta chief, mention of 44: 231.
See also **Malatchi**.
- Malakof** 46: 127.
- Malapighia** 38: § 247.
- Malaria**
 in Pima villages 26: 52.
 mention of 46: 129.
 reference to 29: 620.
 remedy for 42: 655, 663.
- Malatchi**
 chief of Coweta 42: 391.
 head chief of the Creeks 42: 96.
See also **Malahche**.
- Malay**
 and Maya languages, comparison of 16: xxi, xxv, xxvi, xxvii, xxxii xxxvii.
 and Maya terms, comparison of 15: lxxxiv.
 and Zapotec terms, comparison of 16: 262.
 mythology, monsters in 16: 214.
 natives, tattooing of 10: 412.
See also **Polynesia**.
- Maldonado, Alonso del Castillo**, survivor of Narvaez Expedition 14: 348.
- Maldonado, Fray Luis**, killed at Acoma 47: 28.
- Maldonado, Rodrigo**
 appointment of, as captain 14: 477.
 buffalo skins given to, by Indians 14: 505.
 camp of, attack of 14: 449.
 exploration of Gulf of California by 14: 392.
 explorations by 17: 53.
 horse of, injures Coronado 14: 531.
 oidor [judge] in New Spain 14: 596.
 travels of 14: 474.
 visit to seacoast by 14: 484.
- Male Force**
 invocation of 22, ii: 325.
 symbolism of 22, ii: 34, 285.
 symbols of 22, ii: 34, 42, 280, 288.
- Malecite**
 Indians, birch-bark pictographs of 10: xii sq.
 tribe, reference to 28: 290.
See also **Amalecite**.
- Malecite Language**
 description of 28: 280, 281 sq., 283, 284, 285, 287, 289.

Malecite Language—Continued

examples in comparison with 28:

Cree 238, 239, 269, 274, 279.

Delaware 239, 269, 278, 279.

Eastern Algonquian 269.

Fox 238, 239, 274.

Micmac 269.

Montagnais 269, 279.

Natick 238, 239, 269, 274.

Ojibwa 239, 269, 279.

Penobscot 269, 279.

Peoria 269.

indicative mode in 28: 269.

Malemut

character of 18: 301.

language, contrast between Unalit and 18: 25.

language, example of 18: 349.

method of burial of 18: 312.

physical characteristics of 18: 28 sq.

range of 18: 24 sqq.

trading and trading voyages by 18: 229, 305.

See also Mahlemute.

Maler, Doctor —, idol found by 25: 250.

Maler, Teobert

figure of inscription at Xcalumkin, Yucatan, reproduced from photograph by 22, i: 253.

inscriptions discovered at Piedras Negras by, cited 19: 788.

Malformation among the Kiowa 17: 347.

Malheur Reserve

changes in 18: 880, 884, 902, 908, 910.

discontinuance of 18: 930.

establishment of 18: 884, 885.

Malinaltepec symbol in Mexican pictography 16: 244.

Malio 33: 324, 627, 636.

Maliseet, marriage customs among the 17: 282*.

Mallard, among the Tlingit

in mythology 26: 455.

name of gaming stick 26: 444.

Malleating

tools used in 20: 73, 135 sq.

use of textiles in 20: 50, 71, 72, 73.

See also Cords; Fabrics; Paddles;

Roulette; Stamps; Textiles.

Mallery, Col. Garrick

acknowledgment to 7: 142.

cited 33: 237.

contributor to Bureau 48: 1189.

drawings of rock etchings by 12: 107.

finding of Lone Dog Winter count by 17: 142.

inscriptions obtained by 21: xxv, xxxix.

obituary of 16: Lxxx; 48: 1221.

office work of 6: xlv.

on character and use of Algonquian pictographs 7: 287 sq.

on Crow discovery of Black Hills 17: 155.

on Dakota calendars 17: 261.

on Dakota and Cheyenne chronology 17: 371.

on Dakota-Kiowa peace mission 17: 168.

on early Indian population 7: 33.

on elk game, Oglala Dakota 24: 505 sq.

on gesture language 3: xxvi.

on Indian jugglery 7: 276 sq.

on Indian picture writing 25: 148, 149.

on Indian records 26: 37.

on Indian sign for knife 16: 232.

on Lone Dog calendar 16: 146.

on meaning of certain hand symbols 16: 232.

on Mexican cloud symbols 16: 223.

on primitive beliefs 11: xlvi.

on Schoolcraft's account of Ojibwa hieroglyphs 7: 156.

on Sioux pipe legend 14: 1063.

on symbolic colors 11: 532.

on the sign of negation 16: 212.

on time Dakota first possessed horses 19: 1044 sq.

paper on picture writing by 10: 1-807.

paper on picture writing by, notice and summary of 10: xxvi-xxx.

pictographs of the North American Indians by 4: 3-256.

researches of 11: xxxi; 14: xxxii; 16: xix, xxii, xxvi.

sign language of the Indians studied by 5: xxxii; 14: 504.

Sioux calendar records discovered by 26: 34.

- Mallery, Col. Garrick**—Continued
work of 2: xxii; 3: xxvi; 7: xxxiv, xxxv; 8: xxviii; 9: xxxii, xxxiii *sq.*; 10: xii *sq.*, xviii; 13: xxxv; 15: xx, xxiv, xxix, xxxvi, xli, xliii, xlvi, l, liv, lviii, lxii, lxv, lxxii, lxxxii.
Mallery, Otto, collection presented by 41: 15, 20.
- Mallets**
mention of 45: 42, 43.
of the Eskimo 18: 79 *sq.*
of the Indians 14: 498.
of the Menomini 14: 260.
use of, in steatite working 15: 111.
- Malli-nalli** day symbol, discussion of 16: 243.
- Mallow, purple** 33: 103.
- Malo**
derivation of 21: 125.
description of 21: 82.
part taken by, in Pamürti festival 21: 29.
- Malo Kacina**
appearance of, in Powamû festival 21: 39.
personation of, in Nacab kiva 21: 30.
- Malocca; Maloka**, common living house 38: § 309, 310.
- Malone, James H.**, reference to work by 44: 173.
- Malte-Brun, V. A.**
cited on earth eating by the Siberians 9: 539.
cited on girdles and cords 9: 561, 562, 564.
classification of Seri by 17: 104.
on Sandia 29: 527.
- Maltese Cross**, employment of, in decoration, Northwestern pottery 20: 192.
- Malthusian Law**, not applicable to American Indians 7: 33 *sq.*
- Maluco**, visit to, by Villalobos 14: 412.
- Malus**, medicinal use of 42: 659.
- Malus Fusca** 46: 487.
- Malus Ioensis**
human transportation of 33: 59.
mention of 33: 86.
- Malva sp.**, Pima food plant 26: 76.
- Malvaceae** 33: 103.
- Malvastrum Coccineum** 33: 103.
- Mamä'nte**, raid in Texas by 17: 328.
- Māmaq'la** 35: 876, 877, 902.
- Mame**
formation of numbers above ten 19: 903 *sq.*
number names of 19: 862 *sq.*
- Mamee Apple**, *Mammea Americana* 38: § 247.
- Mammalian Figures**, on pottery from Pueblo ruins, description and figures of 22, i: 71 *sq.*, 153 *sq.*
- Mammals**
Indian tradition concerning 14: 722.
of the Point Barrow region, Alaska 9: 55 *sq.*
of the Ungava district 11: 174.
See also **Animal; Cardinal Mammals; Man.**
- Mammiform Stones.** *See* **Three-pointed Stones.**
- Mammoth**
ivory, Eskimo implements and utensils made of 18: 67, 68, 91, 114, 115.
ivory, Eskimo ornaments made of 18: 46, 49.
remains of 46: 117.
teeth and bones of 46: 48, 58.
- Mamona**, the Earth Mother 34: 265.
- Mamore.** *See* **Madeira.**
- Mamuri.** *See* **Carludovica.**
- Mamzrantiki**, an Oraibi society of women 8: 134.
- Mamzrau Festival**, association of Hehea with Corn maids in 21: 74.
- Mamzrau Mana**
appearance of, in Mamzráuti 21: 58.
derivation of 21: 125.
description of 21: 118.
- Mamzráuti**
a Hopi ceremony 15: 262.
appearance of Palahiko Mana in 21: 118.
ceremony introduced at Walpi 17: 604.
ceremony of Tusayan 16: 302.
description of 21: 23, 58.
difference of, from Butterfly festival 21: 58.

Mamzráuti—Continued

duration of 21: 20.

fraternities taking part in 21: 23.

See also Maraupaki.**Mamzráutu**, religious society at Walpi, source and census of 19: 623, 630.**Mamzrautû**

fraternity, ceremonies celebrated by 21: 23.

society, prayer-stick making of 21: 55.

Man

body divides, follows two paths and reunites 32: 551.

creation of 30: 126, 141-146, 228; 32: 168.

divided into two parts and restored 32: 473.

Eskimo account of creation of 18: 452 sq., 455, 482 sq.

flesh torn apart and immediately healed 32: 480.

flesh turned into birds 32: 324.

held to ground by tree growing over him 32: 375.

in hammock, string figure of 38: § 678, 679.

Indian words denoting 36: 29.

legend of creation of 32: 413.

myth of origin of 19: 240.

origin of, in connection with the study of anthropology 1: 77, 78.

parts reassemble after being pulled apart 32: 345, 346.

parts reassemble, kill five men and fall apart again 32: 347.

place of, in universe 47: 488.

place of origin of 30: 141.

prehistoric remains of 46: 41.

purification of, before visiting another tribe 32: 428.

representations of 20:

eastern United States pottery 39, 40, 41, 63, 65, 67.

eastern United States pottery, significance of 100.

Florida Peninsula pottery 118.

Gulf Coast pottery 107, 108.

Iroquoian pipes 174.

Iroquoian pottery 161, 163, 165, 166, 172.

Middle Atlantic coast pottery 156, 157.

95719°—33—40

Man—Continued

representations of 20—continued

Middle Mississippi Valley pipes 99.

Middle Mississippi Valley pottery 81 sq., 83, 87, 88, 91, 92.

Ohio Valley pottery 185.

South Appalachian pottery 138, 140.

restoration of, to life 32: 548.

resuscitation of 32: 275.

Serian and Yuman names for 17: 321*-324*.

sign for 1: 416.

symbolic, explanation of 45: 577 sq.

transformation of, into animal 30: 199.

transformation of, into dog 35: 1257.

value of pottery and other objects of art in study of 20: 18 sq., 20.

See also Men.**Man-being**, definition of 21: 141.**Man-Eagle**

a Hopi monster 17: 691.

on Sikyatki pottery 17: 683.

Man Eater's Village, location of 37: 99.**Man-Fox**, in Pima legend 28: 47.**Man Medicine**, discovery of 36: 70.**Man Mounds**

description of 37: 102 sq.

interpretation of 37: 81.

outlines of 37: 95, 97.

Man-under-the-Earth, Tlingit spirit 26: 465.**Man-Woman** at Isleta 47: 245 sqq.**Man-Worm**

Eskimo legend of 18: 516.

representation of 18: 447.

Mä'näbush

a mythic Menomini personage who first gave wild rice 19: 1092 sq.

abode of 14: 206.

and the ball game 14: 131.

and the bear *ánámaqk'û* 14: 175.

and the birds 14: 203.

and the buzzard 14: 202.

and the kingfisher 14: 116.

and the warriors 14: 118.

and the water monster 14: 125.

as a hunter 14: 182.

etymology of 14: 87, 114.

genesis myth 14: 113.

Mä'näbush—Continued

- mystic gifts to 14: 91, 118.
- myth concerning 14: 73.
- mythic origin of 14: 87.
- search for 14: 206.
- signification of 14: 162.
- travels of 14: 162, 199.

Manahau. *See* **Ekkekuli.****Manahoac**, diversions of the 15: 164.**Manari**, cassava sifter 38: § 356.**Manarwa; Mahanarva**, a Carib chief-tain's common name or title 38: § 740.**Manatee**, sculptures of the 2: 125.**Manati**

- caught by weirs and fences 38: § 203.
- hide of, for shields 38: § 116.
- hunting of, with harpoon, fish arrows or net 38: § 169.
- identification of 30: 241.
- origin of 30: 227, 245.
- use of, as food 30: 297.

Manatibex, a Haitian cacique 25: 56.**Manbasseaux**, Menomini treaty signer 14: 28.**Mancelinier**, arrow poison 38: § 123.**Mañçĩñka-gaxe Gens** of the Omaha 3: 242.**Mancos.** *See* **Rio Mancos.****Mancos Canyon**, Colo.

- cliff ruins in 16: 81.
- objects from 24: 47, 228, 427, 648, 667.

Mancos River, cavate lodges on 13: 222.**Mancos Valley**, mention of 4: 315.**Mandan**

- account of the 15: 196; 17: 159.
- and Hidatsa Indians, work among, of Miss Densmore 37: 21 *sq.*
- ceremonial among the 11: 437.
- ceremonial scarification of 46: 430.
- chronology of the 17: 370.
- chungke game among the 13: 99.
- cults of the 11: 501.
- dance of the 3: 332.
- dance of the, description of 11: 463.
- divisions of the 15: 163.
- epidemic among the 46: 406.
- feast of the 3: 273.

Mandan—Continued

- games of the 24:
 - archery 393.
 - dice games 187.
 - hand and foot ball 705, 707.
 - hoop and pole 421, 511 *sqq.*
 - running races 807, 808.
 - similarity of, to Blackfeet games 58.
 - snow-snake 419.
 - Ghost dance among the 14: 817.
 - "Golgothas" 1: 170.
 - habitat of the 7: 116; 17: 158.
 - Kiowa horse trade with 17: 251.
 - Kiowa intercourse with 17: 156, 158.
 - Kiowa name of 17: 159.
 - ladder, described and figured 8: 158.
 - land cessions and reservations 18: 786, 852, 900, 942.
 - mention of 4: 101, 102, 107, 114, 119, 131, 186.
 - modern pottery making by the 20: 58, 195.
 - myths of the 19: 429.
 - Omaha name for the 27: 102, 486.
 - oracle stone of the 10: 32.
 - painting of body by, for decoration 10: 619 *sq.*
 - population of the 7: 118.
 - pottery of the 20: 187, 197 *sqq.*
 - property marks of the 4: 182.
 - resemblance of Pawnee pottery to that of 20: 200.
 - scarification among the 15: 169.
 - self-torture of the 46: 522.
 - signs of exploit worn by warriors of 10: 436.
 - slaves among the Menomini 14: 35.
 - smallpox among the 17: 172.
 - sociology of the 15: 241.
 - Teton horse stealing from the 15: 173.
 - tradition of eastern origin of the 15: 187.
 - tribal designation of the 10: 385.
 - tribal sign for the 1: 471.
 - White Buffalo hide among the 27: 284.
- Mandible.** *See* **Lower Jaw.**
- Mandibular Hyperostoses.** *See* **Lower Jaw.**
- Mandioca.** *See* **Cassava.**

Mandurucu. *See* **Mundurucu.**

Mangachqua

cession of reserve at 18: 718.

reservation at 18: 704.

Mangaia, tattooing in 10: 413.

Manganese Oxide, for glazing pottery
38: § 93.

Mange, *Lieut. Juan Mateo*

account of 26: 27.

account of Casa Grande by 28:
55 sq.

account of Escalante's expedition by
17: 60 sq.

explorations of 28: 54.

itinerary of Kino's explorations by
17: 57-60.

on barrenness of Pimería 26: 87.

on Casa Grande 13: 296.

on character of Pima 26: 198.

on meaning of *siba* 26: 24.

on mountain-sheep 26: 82.

reference to 28: 46.

Manghousin, sale of land by 18:
595.

Mangrove, **Red**, for hammock stain-
ing 38: § 478.

Manhattan Island, purchase of 18:
576.

Maniatex, a Haitian cacique 25: 211.

Mani-biici, meaning of 16: 251.

Manicaria Saccifera. *See* **Truli.**

Manicol, *Euterpe* sp.

as cigarette wrapper 38: § 283.

as thatch 38: § 321, 323.

drink from 38: § 270.

in times of scarcity of water 38:
§ 254.

leaf baskets 38: § 454.

Manicole Fruit, ripening of, festival
at 30: 138.

Ma-ni-do, definition of 15: 182.

Manidos

of the Menomini 14: 63.

power derived from faith in 14:
105.

regard of the Indians for 14: 63.

See also **Manito.**

Manihot. *See* **Cassava.**

Manik

day symbol, discussion of 16: 232,
261.

phonetic element of 16: 237.

Manikins

animated 32: 266.

Manikins—Continued

set up in trees to deceive pursuer
32: 219.

use of 32: 259.

See also **Dolls.**

Maniniholokuaua 33: 661.

Manioc

as food 25: 106.

de Pescado 38: § 163.

Manitarees; Manitaries. *See* **Hi-
datsa.**

Manito

discussion of, by W. Jones 37: 282.

See also **Manidos; Manitou.**

Manitoba

archeology of 12: 35 sqq.

explorations in 11: xxv.

mounds in, near residence of Amos
Snyder 12: 37.

petroglyphs at 10: 43 sq.

St. Andrews, mounds near 12: 35.

**Manitoba Historical and Scientific
Society**, on influence of wild rice
on geographic nomenclature 19:
1121.

Manitou, Gentle, references to 40:
133, 221, 233, 239, 271, 272, 405.

Manitous

located at cardinal points 40: 71,

73, 75, 77, 79, 87, 133, 191, 509 sqq.

of Algonkian tribes, mention of 42:
511.

See also **Manidos; Manito.**

Manitouwauk, meaning of 14: 19.

Manitowoc River Chippewa,
Ottawa, and Potawatomi, treaty
with 18: 722 sqq.

Mâ'nka-gúādal, death of 17: 286.

Mankaratice

for staining hammock 38: § 478.

yellow vegetable dye 38: § 31.

Mankind

characteristics of 15: xvii.

See also **Activities; Anthropology.**

Mann, Lieut. James D., killed at
Wounded Knee 14: 872, 875.

Mann, M. G., Puget Sound mis-
sionary 14: 760.

Manni. *See* **Moronobea.**

Manning, James, cited 4: 197.

Mano, development of 20: xv.

Mano in Fica, Neapolitan sign to
avert misfortune 1: 300.

Manocue, grant of land to 18: 686.

Mano'mîn, etymology of the word 19: 1024.
Manos (Casa Grande), description of 28: 126.
Manouvrier, Dr. L. 46: 278, 316.
Mânposo'tiguan, Kiowa name of the Ghost dance 14: 791.
Manrhoat
 mention of, by La Salle 17: 157.
 possible identification of 17: 248.
Manrich, A. de, horse of, killed at Cibola 14: 559.
Manrique de Lara. *See* **Lara.**
Manserimanni. *See* **Kaiappa.**
Mansfield Lake, village 46: 125.
Mansinskiri
 description of 30: 172, 193 *sq.*
 legend concerning 30: 172 *sq.*
Manso, work among 19: xvi.
Mântahák'ia, Kiowa name of William Bent 17: 293.
Mantegazza, Dr. Paolo
 cited on primitive trephining 16: 12.
 mention of 46: 311.
Mañterañ
 meaning of the name 19: 16, 183.
 See also **Catawba.**
Manti, Utah, petroglyphs at 10: 117 *sq.*
Manitowoc County, effigy mounds in 37: 98.
Mantle
 Eskimo 9: 121 *sq.*
 Guiana Indian 38: § 538.
Manual Concepts, study of 13: xxxviii.
Manual Development of the Seri 17: 157* *sq.*
Manual Training, educational value of, for savages 23: xxii.
Manuals, preparation of, for use in original research 1: xxxii.
Manufacture
 Cherokee and Catawba pottery 20: 53-56.
 eastern United States pottery 20: implements used in 35 *sq.*, 73-77, 135 *sq.*, 190.
 mention of 48-61.
 methods of study of 20 *sq.*
 use of textiles in 67-77.

Manufacture—Continued

Florida pottery 20:
 influence of, on forms of pottery 62.
 influence of, on ornament of pottery 64 *sq.*
 Iroquoian pottery 20: 161.
 Middle Mississippi Valley pottery 20: 83 *sq.*
 of pottery 2: 329.
 of shell objects 2: 204, 210, 212, 216, 218, 220, 228, 236, 255, 261, 263, 286, 293.
 of stone implements 15: 24, 94.
 Pamunkey pottery 20: 153.
See also **Baking; Decoration; Kiln; Manufactures; Modeling; Paddles; Roulette; Stamps; Tools.**
Manufactures
 implements used by the Eskimo in 18: 80-116.
 of the Eskimo 6: 516-526; 18: 196-205.
 of the Menomini 14: 258.
 of the Okanagan group 45: 217-226.
 plants used in 45: 495.
 restrictions on 30: 292, 302 *sqq.*
 See also **Artifacts; Manufacture; etc.**
Manuscript, Maya and Mexican 3: 1-65.
Manuscript Troano
 copy of, by Brasseur 6: 285, 286, 343.
 mention of 1: 234; 3: 7, 16, 17, 18, 19, 20, 23, 37, 39, 57, 63.
 study of, by Cyrus Thomas, cited 6: 339, 343, 344, 345, 350, 365, 366, 367, 370.
Manuscripts
 accessions to 36: 28 *sq.*
 added to collection in Bureau 37: 26.
 classification of 15: xci.
 in care of J. N. B. Hewitt 36: 15 *sq.*
 in the Bureau 24: xix *sq.*, xxix *sq.*; 29: 22 *sq.*; 34: 30 *sq.*; 41: 16, 55.
 in the Bureau, cataloguing of 25: x, xviii *sq.*

Manuscripts—Continued

linguistic, catalogue of 28: 18 *sq.*
 purchased by the Bureau 39: 23.
 report on 30: 24.

See also **Linguistic Manuscripts.**

Manuscrit dit Mexicain 3: 18.

Many

pictograph for 10: 596.
 signs for 1: 445, 496, 524, 535.

Many-Bears. *See* **Set-dayâ'-ite.**

Many-Snakes

diseases caused by 42: 644.
 meaning of the term 42: 644.

Mänyí-tén

flight of hostiles under 17: 188.
 treaty signed by, in 1867 17: 186.

Maori

corn introduced among the 16: 228.
 customs 4: 88, 164, 200.
 day deities of the 16: 265.
 lizard symbolism of the 16: 226.
 mythic monsters of the 16: 214.
 stone-tool wood carving by 13: 72.

Maori Indians, genealogical board of the 10: 228.

Map

archeological, by W. E. Myer 42: 730.
 drawn by Coronado 14: 392.
 showing Indian linguistic families, explanation of 7: 26, 45.
 showing results of Coronado expedition 14: 403.
 tribal, preparation of 45: 2.
See also **Maps.**

Map-making by the Eskimo 18: 197.

Maparakuni Erythroxyllum, red pigment 38: § 28.

Mapisiana; Mapeshana. *See* **Wapishana.**

Maple

hard 33: 100.
 Rocky Mountain, use of 45: 475, 499, 500.
 syrup, use of, by Menomini 14: 286.
 soft 33: 100.
 use of 44: 369, 377.

See also **Maple Sugar; Sugar Maples.**

Maple Creek, reference to 27: 408.

Maple Sprout

a man-being in Iroquoian cosmology 21: 301.

See also **Sapling.**

Maple Sugar

as food 19: 1084 *sq.*, 1095.
 drink made of 44: 317.
 making of 14: 287; 44: 308-313.
 molds for 44: 312.
 mythic origin of 14: 173.
 uses of 44: 306, 313, 318.

See also **Sugar; Sugar Maples.**

Maple Trees, Iroquois festival of tapping of 2: 115.

Maple, Vine, use of 45: 498.

Mapoje. *See* **Mapoya Indians.**

Mapoya Indians

beliefs of, as to creation 30: 145 *sq.*
 beliefs of, as to spirits 30: 181, 197.
 marriage customs of 30: 314.

Mapoye. *See* **Mapoya Indians.**

Maps

Billings and Galls, 1811 46: 176.
 Dall's, 1877 46: 178.
 explanation of 29: 97.
 Geological survey, Geodetic survey, Bureau of Education 46: 181, 186.
 Kokrines-Koyukuk 46: 137.
 Koyukuk-Lofkas 46: 138.
 large features 29: 98-106.
 linguistic, United States census, 1920 46: 180.
 Nelson's, 1900 46: 177, 179.
 Nenana-Tanana 46: 125.
 of Gulf of California coast 17: 55 *sq.*, 62-66, 94.
 of mound distribution, reference to 12: 524, 526.
 of Wales 46: 197, 201.
 Petrof's 46: 178.
 plan of 29: 37 *sq.*
 Pujuk islands 46: 93.
 Russian, St. Lawrence Island 46: 93.
 Russian, western Alaska 46: 176.
 showing trails, references to 42: 746, 749, 751, 762, 765, 779, 780, 789, 793, 803, 804, 810, 812, 813, 814, 815, 816, 817, 819, 820, 822, 823, 840, 841, 844, 846, 847, 850, 851, 852, 854.
 Tanana-Kokrines 46: 137.

Maps—Continued

- Tebenkof's, 1849 46: 176.
 Tikhmenief's, 1861 46: 176.
 use of, by Indians 27: 88.
 Zagoskin's (2), 1842-1844 46: 176,
 196 sq.

See also Map.

- Mâqkatâbi**, genealogy of 14: 57.
Maqpe-Luta, native name of Red
 Cloud 14: 1058.
Maqpiâto, Sioux name of the Arapaho
 14: 954.
Maquarri, an Arawak dance 25: 72.
Mara; Mararo
 a resin from *Protium carana* 38:
 § 23.
 used to attract deer 38: § 168.
Maracana Parrot 38: § 716.
Maracana Tribe 38: § 770.
Maraka
 rattle 38: § 573.
See also Rattle.

Maranshobishgo, Cheyenne name of
 the Sioux 14: 1057.

Mararabes 38: § 247.

Marata

- Coronado's account of 14: 560.
 identification of, with Matyata 14:
 357.
 mention of, by Diaz 14: 550.

Marau

- fraternity, prayer-stick making, de-
 scription of 21: 22.
 society, meeting of 21: 23.

Maraupaki, appearance of Mamzrau
 mana in 21: 118.

Marble, Eskimo implement made of
 18: 145.

Marblehead, Mass., pottery from
 20: 179.

March

- appearance of Macibol in 21: 87.
 appearance of Wukokoti in 21: 85.
 ceremonies of 21: 84.
 Hopi ceremony in 21: 22.

Marchand, Étienne

- on stick games, Haida 24: 262 sq.
 on the Tshinkitani 7: 86.

Marching, procedure in 30: 256.

Marco Polo

- quotation from 14: 571.
 stories of, compared with Castañeda
 14: 345.

Marcos. *See Niza.*

Marcou, Jules, on Quivira 29: 566.

Marcoux, Le Père —, on early mission
 records 14: 24.

Marcoy, Paul

- on tattooing 4: 49, 53.
 on totem marks 4: 167.

Marcy, R. B., on Jemez 29: 402.

Marden, Dr. A. E., acknowledgment
 to 26: 267.

Margal. *See Pi y Margal.*

Margaret, a Menomini genealogy of
 14: 57.

Marginella Shells, use of, as beads
 2: 219.

Margins. *See Rims.*

Margry, Pierre

- extracts from 13: xli.
 on Cherokee relations with Choctaw
 19: 390.
 on early habitat of the Biloxi 7:
 114.

use of term *Lăitanes* by 14: 1043.

Marguerite, survivor of Wounded
 Knee 14: 878, 879.

Maria de la Luz Gomez 25: 267.

Maria Furnace, rhyolite deposits at
 15: 74, 75.

Maria, Oil of. *See Copaifera.*

Mariana, aid rendered by 17: xlii,
 14.

Maricopa

absence of Ghost dance among the
 14: 805.

census of the 26: 20 sq.

cremation of the dead among 26:
 202.

day schools of 26: 34.

diseases of 26: 55, 58, 268.

division of tribe of 26: 60 sq.

games of the 24:

- archery 396.
 ball race 666, 681.
 buzz 757.

cat's cradle 776.

dice games 201.

double ball 665.

hidden ball 339, 370 sq.

running races 809.

in fights with Apache 26: 42, 45,
 46, 50 sq., 54.

in fights with Yuma 26: 38, 40 sqq.,
 44-47.

Maricopa—Continued

- in Pima flood legends 28: 51.
- in Pima mythology 26: 215, 216.
- land cessions and reservations 18: 820, 888, 894 *sqq.*, 909, 914, 922.
- location of the 26: 93.
- lustration ceremonies of the 26: 204.
- musical instruments of 26: 166.
- myth of the Water people of Tusayan concerning the 18: 32.
- number names of the 19: 871.
- population of the 7: 138.
- pottery of the 26: 165.
- references to 28: 42, 45, 115.
- relations of, with Americans 26: 31 *sqq.*
- relations of, with Pima 26: 186, 196, 200.
- relationships of the 28: 217.
- relay race of the 26: 56.
- skill of, in water 26: 174.
- trade with the Pima 26: 93.

Maricopa and Phoenix Railroad 26: 60, 64.**Maricopa Antoine**, exploit of 26: 41.**Maricopa Wells**, stage station 26: 32.**Marie, Aug. Sta.**, an Awatobi missionary 17: 600.**Marigold**, fetid 33: 132.**Mariguana**

- number of specimens from 34: 50.
- specimen found in 34: 182.

Marima Bark Shirts 38: § 539.**Mari-mari Dance**

- description of 30: 207.
- mention of 38: § 595.

Marine Erosion on shores of Seriland 17: 45.**Marion**, aid given to, by Sevier 19: 211.**Marion, Va.**, trail past 42: 759.**Marion County, Tenn.**, mound in, excavation of 41: 602.**Marionettes**

- representation of Corn maids by 21: 49, 87.
- use of, explanatory of the use of idols among the Hopi 21: 49.

Maripa. *See* Kokerit.**Mariposan Stock**

- dice games of the 24: 139.
- mention of the 7: 90 *sq.*

Mariposan Stock—Continued

- tribes of the 24:
 - Chukchansi 138, 482, 630, 702, 711, 714.
 - Koyeti 484.
 - mixed tribes 630.
 - Pitkachi 482.
 - Tejon 138.
 - Wiktehamne 129.
 - Yaudanchi 501.
 - Yokuts 140, 293, 414, 483, 595, 630, 741, 759, 793.
- See also* Yokuts.

Marital and Family Relationships of the Guiana Indians 38: § 877-880.**Marjoram**

- native American 14: 517.
- wild, found by Coronado 14: 510.
- wild, of Great Plains 14: 528.

"Mark of Honor"

- account of (Omaha, Osage) 27: 219 *sqq.*
- in Ho'hewachi ceremony 27: 502.
- references to 27: 154, 252, 285, 325.
- significance of 27: 494.

Marker for meat cache of the Eskimo 9: 262 *sq.***Markham, C. R.** 46: 333, 335, 336, 337, 370.**Markham, William**, treaty concluded by 18: 592.**Marksman'ship** of the Indians 14: 499, 507.**Marksville, La.**

- Avoyel Indians near 42: 692.
- mounds in vicinity of 44: 410-433.
- remains near 43: 11.

Markuri arrow poison 38: § 120, 123.**Marl Hill, Barbadoes**, collection obtained at 34: 87.**Marline Pin**, iron, obtained from mound 44: 166.**Marlinspikes**

- of the Eskimo 9: 291 *sq.*; 18: 193.
- of the Seri 17: 217*.

Marmot

- Eskimo method of trapping 18: 124, 125.
- skin of, Eskimo clothing made of 18: 31, 32, 33, 35, 36.

Marmot—Continued

- skin of, Eskimo method of dressing 18: 118.
- skin of, Eskimo tobacco implements made of 18: 285.
- skin of, value of, among the Eskimo 18: 232.

Maroa, knobbed composite-head arrow 38: § 138.

Maroio, stone image called 34: 264.

Maroon, a moss used for tinder 38: § 1.

Maroon Group of Chiriquian pottery 6: 107 *sqq.*

Maropi. See **Hog Plum**.

Marquès, Isla del, name of, given to Lower California 14: 486.

Marquesas, head preserving in 3: 95.

Marquette, Le Père Jacques

- cited 12: 617, 624.
- on curing wild rice 19: 1065.
- on Dakota property right in wild rice 19: 1073.
- on location of Assiniboin and their use of wild rice 19: 1055.
- on popular synonym for wild rice 19: 1025.
- on practices of Algonquian medicine-men 7: 152 *sq.*
- on the Kwapa in 1673 15: 193.
- on thrashing wild rice 19: 1068.
- on use of cross in Indian ceremonials 7: 155.
- on wild rice eaten with grease 19: 1084.
- on wild rice in Fox River 19: 1033.
- Osage first mentioned by 36: 43.
- Osage mentioned by 15: 192.
- Oto met by 15: 195.
- the feathered stem called a calumet by 22, ii: 279.

Wa'wa ceremony found by 27: 74.

Marquette's Map, location of Quapaw on 7: 113.

Marquis of the Valley

title of, given to Cortes 14: 473.

See also **Cortes**.

Marriage

- acculturation through 19: xxiii *sq.*
- age for, Fox 40: 311, 342.
- age for, Omaha 3: 259.
- alien 47: 35, 38.
- among the Assiniboin 15: 225, 226.
- among the Dakota 15: 222.

Marriage—Continued

- among the Hawaiians 33: 616.
- among the Hawaiians, of brother and sister 33: 306, 309.
- among the Hidatsa 15: 242.
- among the Indians 7: 35.
- among the Kansa 15: 232.
- among the Kwakiutl 35: 1028, 1029, 1031, 1039, 1050, 1063, 1079, 1080, 1085 *sq.*, 1089, 1100.
- among the Mandan 15: 241.
- among the northern tribes 11: 188, 199, 270; 35: 1092 *sq.*
- among the Omahas, permanence of 3: 261.
- among the Pima 26: 183-187, 197.
- among the Sia 11: 19.
- among the Siouan Indians 15: 178.
- among the Tahus 14: 513.
- among the Tlingit 26: 423 *sqq.*, 428 *sq.*
- among the various pueblos 15: 252.
- at Cibola 14: 518, 521.
- at early age 42: 368, 371.
- between clans 42: 151 *sqq.*
- between Isleta and Laguna immigrants 47: 352.
- between White and Red towns 42: 251 *sq.*
- binas for 30: 285-288.
- by proxy 42: 369.
- ceremonial, Kwakiutl 35: 1054-1058, 1067.
- ceremony, absence of 47: 540.
- ceremony, Tsimshian, description of 31: 531-534.
- ceremony used in 42: 368 *sq.*
- chieftainship by 38: § 744.
- clandestine, Tsimshian 31: 441.
- communal form of, Guiana Indian 30: 190 *sq.*, 200 *sq.*, 222.
- cousin, Tsimshian 31: 412, 440.
- cross cousin, Fox 40: 376, 377.
- customs, Acoma 47: 135 *sq.*
- customs, Biloxi 15: 244.
- customs, Cherokee 19: 481 *sq.*
- customs, Chickasaw 44: 199, 210, 211, 225-228.
- customs, Coeur d'Alène 45: 40, 161, 170 *sqq.*
- customs, Creek 42: 79, 368-384, 699.
- customs, Eskimo 9: 410-413; 18: 291 *sq.*; 46: 107.

Marriage—Continued

- customs, Flathead 45: 382.
- customs, Fox 40: 185 *sqq.*, 295, 311-315, 342, 344.
- customs, Guiana Indian 30: 314-318.
- customs, Kiowa 17: 231.
- customs, Okanagan 45: 287 *sq.*
- customs, Pueblo 13: 197.
- customs, Seri 17: 11, 87, 92, 158*, 279*-287*.
- customs, Seri, parallels to 17: 282* *sq.*
- customs, Thompson Indians 45: 406.
- customs, Upper Missouri 46: 504, 506, 507, 510 *sqq.*, 522.
- customs, Wawenock 43: 177.
- customs, Winnebago 37: 138 *sq.*
- customs, Zuñi 23: 304 *sq.*
- debt 35: 964, 1352.
- debt, payment of 35: 777, 779, 1085, 1087.
- determined by relationship 27: 313.
- endogamous, Creek 42: 355.
- evolution of 15: 201 *sqq.*
- feasts, Omaha 3: 260.
- forbidden within gens 27: 137.
- general account of 27: 318, 327, 641.
- gift, as insult 35: 1030.
- gifts, Fox 40: 315, 342.
- gifts, Kwakiutl 35: 432, 777, 840, 843, 845, 860, 862, 864, 865, 866, 867, 876, 880, 882, 886, 887, 888, 889, 894, 896, 901 *sq.*, 984, 1033, 1352 *sq.*
- Guiana Indian 38: p. 666-672.
- illegitimate 35: 1075, 1094, 1097, 1105, 1108 *sq.*, 1111.
- in clan or gens, prohibition of 15: 203.
- in savagery 15: cxiii.
- influenced by clan 42: 166 *sq.*
- laws, Kwakiutl 35: 1344 *sq.*
- laws, Omaha 3:
 - mention of 255-258.
 - permissive 257.
 - prohibitory 256.
 - remarriage 258.
 - rights of parents 268.
 - widowers 268.
 - widows 267.
- mat, Kwakiutl 35: 1059.

Marriage—Continued

- names transmitted 35: 824.
 - of chief prevented by tribe 35: 977.
 - of settlers favored by government 14: 374.
 - of the Hopituh within phratries and gentes 8: 24.
 - official and unofficial 42: 376.
 - ordeals, Guiana Indian 30: 308, 309, 314-318.
 - out of the tribe 35: 782.
 - outside the clan 31: 441.
 - payment in 35: 892, 901, 955, 961, 968, 969, 987; 42: 369.
 - prerequisites for 30: 187.
 - presage of 30: 275.
 - regulated by twofold division 37: 183.
 - regulations concerning, Creek 42: 165.
 - regulations concerning, Wyandot 1: 63, 64.
 - relationships, terms used in 42: 82.
 - relative importance of 47: 476.
 - requirements for 36: 48, 51.
 - separation after 42: 371, 373, 374, 376.
 - sham 35: 1013.
 - sham battle at 35: 968, 1022.
 - showing clan affiliations 47: 35.
 - signs for 1: 290.
 - tasks 30: 131 *sq.*, 187, 316 *sqq.*
 - temporary 42: 368, 371, 376.
 - trial, Creek 42: 369, 374, 375.
 - types of, Tsimshian 31: 440.
 - with the Camos 35: 951.
 - with the Nāklwax'dax^u 35: 1003.
 - within Corn groups 47: 269.
 - women instructed for, Winnebago 37: 177 *sq.*
 - See also* Celibacy; Divorce; Exogamy; Incest; Intermarriage; Polyandry; Polygamy.
- Marriage Bread**
- customary offering, twenty loaves 32: 747, 752.
 - offering of 32: 115, 123, 124, 139, 166, 167, 168, 191, 195, 196, 377, 463, 544, 555, 746.
 - preparation of 32: 751.
- Marriage Ceremony.** *See* Marriage, ceremony.

- Marriageability** denoted by head ornament 13: 126.
- Married Couple**
attitude of, toward each other 42: 451.
residence of 35: 1082.
separation of 35: 895, 960, 1000, 1020, 1031, 1038, 1348.
- Marrow**
extraction of 11: 278.
medicinal use of 43: 266.
- Marrying Dance**
description of 45: 191, 293, 388.
reference to 45: 185.
- Marsh, Cutting**, reference to 40: 546.
- Marsh, R. O.**
donation by, to United States National Museum 42: 10.
with Tule Indians in Washington 42: 10.
- Marsh Marigold**, use of 45: 467.
- Marshall, —** 46: 72, 134, 136, 141, 142, 162, 239, 251, 252, 256.
- Marshall, B.**, wealth of 42: 333.
- Marshall, John**, decision of, in *Worcester v. State of Georgia* 19: 119 sq.
- Marshall, J. R.**, architectural researches of 26: xi.
- Marshall, Park**, quoted on Natchez Trace 42: 813.
- Marshalls**. *See Soldiers.*
- Marshlocks**
use of 44: 291.
See also Potentilla Palustris.
- Marston Plantation**, mounds on 44: 436.
- Marten**
among the Tlingit 26:
clan name 398.
house group name 401.
in calendar 427.
names for 476.
source of personal names 422.
myths concerning 11: 338.
- Martin**, chief of Ottawa, on importance of wild rice to Indians 19: 1096.
- Martin, —**
on expedition from Virginia through Cherokee country 19: 30.
surveys by 18: 671.
- Martin, General —**, expedition against Cherokee country under 19: 65.
- Martin, Mrs. Ada**, pottery presented by 34: 30.
- Martin, Domingo**, soldier with Coronado 14: 597.
- Martin, Joseph**
commissioner to treat with Cherokee 5: 133.
on Cherokee temper in 1786 19: 63.
on encroachments of Tennesseans 19: 64.
on French and Spanish encouragement of Cherokee hostility 19: 62.
on Sevier's expedition (1781) 19: 59.
treaty signed by 19: 61.
- Martin, Capt. Joseph**, Indian agent 42: 796.
- Martin, J. T.**, cited on Shaker ceremony 14: 748.
- Martin, Mrs. Louisa**, an informant 44: 324.
- Martin, M. L.**, on Menomini land treaty 14: 26.
- Martin, Pedro**, information furnished by 47: 356.
- Martin, R.** 46: 235, 277, 278, 305, 370.
- Martin, Dr. T. P.**
acknowledgment to 14: 655.
material collected by 24: 370.
on dice game 24: 195.
on European games, Tigua 24: 798.
on hidden ball, Tigua 24: 370.
- Martin, William**, mention of 42: 839.
- Martin**, myths concerning 19: 287, 454.
- Martinez, Andrés**
acknowledgments to 14: 655; 17: 147.
capture of, by Kiowa 17: 319.
interpreter to Kiowa delegation in 1894 17: 225.
- Martinez, Camillo**, reference to 29: 338.
- Martinez, Manuel**, reference to 29: 201.
- Martinez, Hon. Melaquíás**, references to 29: 174 sq., 184, 186, 188.
- Martinez, Tomasino**, reference to 29: 218.

Martinique

- culture relationship of 34: 128.
- island of 25: 207.
- specimens from 34: 128, 131.

Martin's Station, Ky., importance of 42: 796.**Martinsburg, W. Va.**, trail passing 42: 760, 761.**Martynia Fragrans Lindl.** *See* Devil's Claw.**Martyr, Peter.** *See* Peter Martyr.**Maruari-dahe**, barbed composite arrow 38: § 139.**Marudi, Penelope sp.**

- black fowl with scarlet neck, taming of 38: § 724.
- feathers of, for arrows 38: § 132.

Marudi Sararang, type of fan 38: § 367.**Marx's Ranch**

- reference to 28: 210.
- ruins below 28: 214 sq.
- ruins on 28: 213 sq.

Maryland

- antiquities from 30: 22.
- archeologic work in 13: xxvi.
- Indian policy of 18: 569-575.
- occurrence of Iroquoian pottery in 20: 164.
- petroglyphs in 10: 83-86.
- production of gold in 19: 220.
- relation of pottery of Northwest to that of 20: 194.
- resemblance of Delaware Valley pottery to that of 20: 177.
- upper, scarcity of pottery from 20: 157.
- Washington County, stone graves in 12: 696.

See also Middle Atlantic; Potomac-Chesapeake.

Mary's River Tribe, population of 7: 82.**Maryville, Tenn.**

- attack on 19: 65.
- trail through 42: 750.

Masac's Band

- cession of reserve by 18: 762.
- reservation for 18: 742.

Masaiumtiwa, Hopi chief, on advent of clans at Walpi 19: 585.**Masâ'kimûlt**, school at 26: 66.**Măsă'te**, noted on Kiowa calendar 17: 347.**Masauû**

- advent of 21: 36 sqq.
- appearance of, in Palûlûkoñti 21: 52.
- derivation of 21: 38, 125.
- description of 21: 76.
- identity of sash worn by, with that of Sumaikoli 21: 96.
- personation of, in Palûlûkoñti 21: 50.
- Sikyatki clan, overthrow of, by Honau clan 19: 604.
- similarity between designs of, and those of Eototo 21: 77.
- tutelary god of Sikyatki 19: 604.

Masauwûh

- a Hopi death god 15: 263.
- in Hopi mythology 17: 666.
- See also* God of Death.

Mascoids 3: 93, 96, 102, 104 sq.**Mascoutens**, study of history of 30: 19.**Mascoutin**, territory occupied by the 37: 77.**Ma'se'p**, a Caddo synonym 14: 1092.**Măsép**, date of birth of 17: 146.**Măsha Manido**, meaning of 14: 39.**Mashém**

- acknowledgment to 17: 21.
- clothing of 17: 115, 225* sq.
- early history of 17: 109.
- information given by 17: 123, 134*, 135*, 169*, 201*, 213*, 256*, 257*, 270*, 281*, *passim*.
- portraits of 17: 13, 146*.
- rank of 17: 277*.
- stature of 17: 137*.
- vocabulary given by 17: 21, 296*.

Mashongnavi

- age of masonry at 8: 66.
- chimney hoods of 8: 170 sq.
- corrals of rude stone-work at 8: 214.
- description of daïs of kiva at 8: 122.
- description of ruins of 8: 48.
- direction of kivas of 8: 115.
- doorway with transom at 8: 190.
- general description of 8: 66-70.
- ground plan of room of 8: 108.
- list of kivas at 8: 136.
- notched ladder of 8: 157 sq.
- origin of name of 8: 26.
- pi-gummi ovens at 8: 163 sq.
- second story fireplace at 8: 174.

Mashongnavi—Continued

settlement of the Water people at
8: 32.

shrines of 8: 167.

wall decoration at 8: 146.

See also **Mishongnovi**; **Old Mashongnavi**.

Masaiumptiwa, Awatobi legend repeated by 17: 603.

Mask

a man-being in Iroquoian cosmology
21: 335.

See also **Hadu'ŷ**.

Mask

for the dead at Tusayan 15: 312.

of Húmis kateina 15: 307.

of Pawik kateina figured 15: 299,
300, 301, 302.

purchased by J. N. B. Hewitt 42: 12.

symbolic marks on 15: 292.

used in curing sick 32: 365.

used in Tusayan ceremony 15: 281.

See also **Masks**.

Mask Dances, objects of 30: 156.

Mask Festivities, Eskimo 18: 358
sq., 395 *sq.*

Mask Talismans, Eskimo 18: 436.

Masked Dancer

face of, on pottery from Shumopavi
22, i: 115.

figure of, on bowl from Four-mile
ruin, cut showing 22, i: 144.

figure of, on bowl from Four-mile
ruin, description of 22, i: 143.

Masked Dances. *See* **Dances**.

Masked Gods

impersonation of 47: 523, 702.

prayers of priests of 47: 690-781.

Masked Personages in ceremonials
15: 293.

Masked Symbols of the codices 16:
260.

Masked Tablet of the Hopi 15: 262.

Maskegon, population of 7: 49.

Maskette

mention of 3: 93, 99, 100, 102, 105,
123, 128 *sq.*, 130, 131, 133, 134, 135.

of Áña kateina manas 15: 295.

Maskotin

eating wild rice with peas 19: 1085.

habitat of the, in 1634 14: 15.

in wild rice district 19: 1107.

mention of the 19: 1053.

Maskotin—Continued

population of the, in 1764 19:
1108.

tribal names, history, migration and
settlement of 19: 1053 *sq.*

See also **Mascoutin**.

Masks

Alaskan 3: 113, 114, 115, 116, 118,
119, 123, 125, 126, 127, 128, 132,
135.

Aleutian 3: 137-142.

Arizona 3: 105, 106.

Bering Strait 3: 135, 136.

British Columbia 3: 116.

burned 35: 1198.

Cannibal 35: 1000.

care taken of 47: 522, 849-855.

Central America 3: 104.

ceremony in honor of 47: 854 *sqq.*

cigarettes offered to 47: 87.

classification of 3: 93.

collected by Martin Sauer on Billing's
expedition 3: 141.

copper 46: 34.

custodianship of 47: 71.

decoration of 47: 131.

definition of 3: 74, 93.

description of 47: 856-864.

destroyed by missionaries 3: 141.

discussion of 47: 81.

distribution of 3: 98-120.

double-headed 35: 850.

Eskimo 3: 121; 9: 365-370; 18:
393-415; 46: 173.

Eskimo, St. Michael 46: 84.

Eskimo, tools used by, in making
18: 89.

Eskimo use of 18: 353.

evolution of 3: 74 *sqq.*

fetishistic power of 47: 902 *sq.*

finger 3: 131 *sq.*

food offered to 47: 87, 132, 490 *sq.*,
853 *sq.*

for Winter ceremonial 35: 1178.

Friendly Islands 3: 101.

from Florida, collection and study of
18: xxx *sq.*

from Zuñi, collection and study of
18: xxxii *sq.*, XLVII.

Haida 3: 110-120.

Hopi, description of 15: 263, 296.

Hopi use of, in representing gods
21: 13.

Masks—Continued

- how made for the Cálako 15: 296.
- humorous 3: 75, 123, 125.
- importance of, in pictures of Hopi katchinas 21: 15, 59.
- in Hopi ceremonials 15: 267, 276, 278, 279, 288.
- individual, description of 21: 112 *sqq.*
- Innuít 3: 121.
- introduction of, into Hopi festivals 21: 109.
- Iroquois 3: 144.
- Kuskokwim River 3: 129.
- Kwakiutl 35: 875, 1005, 1008, 1019, 1194, 1210, 1352.
- made by certain Indians for traffic 3: 106, 108.
- manufacture and care of 47: 849–855.
- materials used for 47: 130.
- Mexico 3: 105.
- Moqui 3: 76.
- Neah Bay 3: 116.
- New Hebrides 3: 99.
- New Ireland 3: 86.
- New Mexico 3: 105.
- Northwest coast 3: 106–120.
- Norton Sound 3: 132–135.
- origin of 3: 147.
- ownership of 47: 522.
- personality of Kacinas imparted by 47: 844.
- Peru 3: 103.
- Point Barrow 3: 136.
- power and use of 47: 847–856.
- power of transformation in 47: 847 *sq.*
- preparation of, for dance 47: 892 *sq.*
- prepared for ceremonies 15: 282, 292.
- preserved human heads or parts thereof 3: 76.
- purpose of 43: 610.
- put over the faces of the dead 3: 104.
- realism in 47: 857.
- regions where used 47: 902.
- religious 3: 75.
- renovation of 15: 273, 275, 296.
- representing various Navaho gods, uses of 8: 248, 249, 253.
- reverence for 47: 845.
- sacred character of 47: 517, 848.

Masks—Continued

- seal catching 3: 122.
- shell 25: 193; 34: 235.
- Sia 11: 117.
- South Seas 3: 98–103.
- stone 3: 76; 25: 83; 34: 183, 184 *sq.*
- storage of 47: 87 *sq.*
- summary 3: 146.
- symbolic 3: 75, 95.
- symbolic, to inspire terror 3: 74.
- symbolic use of 15: 263, 288.
- symbolism of 47: 517.
- taboos concerning 47: 503, 845.
- Tlingit 3: 111.
- Tlingit, at potlatches 26: 436.
- Tlingit, used by medicine-men 26: 463 *sq.*
- two types of, described 47: 848 *sq.*
- Vancouver's island 3: 117.
- wooden 3: 104; 25: 136, 210.
- xwēxwē 35: 892, 893.
- See also* Dall, W.; Death's-head Vases; Katchinas; K'atsinas; Mask.
- Mason, —, claim to land in Connecticut by 18: 617.
- Mason, Charles S., drawings furnished by 10: 77.
- Mason, E. G., cited 12: 629.
- Mason, John, jr., report on Cherokee affairs by 5: 286.
- Mason, J. A.
 - excavations made by 34: 170.
 - mention of 46: 318.
 - ornate stone lamps 46: 34.
- Mason, J. M., on Cherokee opposition to removal project 19: 128.
- Mason, Dr. Otis T.
 - acknowledgments to 6: 409; 9: 20; 13: 269; 16: XLII; 18: 22; 19: 1020; 29: 12.
 - aid rendered by 15: xci.
 - archeological objects figured by 25: 143, 144, 191, 209.
 - cited on Eskimo basket weaving 9: 326.
 - cited on superstition connected with scratching 9: 493.
 - citing Ramon Pane on Haitians 25: 139.
 - examination of quarry shops by 15: 52.

Mason, Dr. Otis T.—Continued

- Guesde collection described by 34: 129, 137–156.
 information furnished by 24: 103.
 on amulets 25: 138, 139.
 on arrow classification 14: 275.
 on arrow mounting 14: 278.
 on beads 25: 109.
 on boat-shaped stone specimen 25: 96.
 on cause of variety of arrowpoints 13: 58.
 on celts 25: 92, 96, 97, 98.
 on Clifton quarry 15: 113.
 on compound bows 14: 281.
 on curved stones 25: 93.
 on disks with human faces 25: 136.
 on duhos 25: 204, 205, 206, 207.
 on elbow stones 25: 173 *sq.*
 on form of stone collars 34: 207.
 on Guesde collection 25: 92.
 on human sacrifice by Borinquenos 25: 168.
 on Kiáhâ net 26: 143.
 on Latimer collection 25: 90, 92.
 on leg bands of ancient Antilleans 25: 199.
 on mealing implements 25: 105 *sq.*
 on mortars 25: 106.
 on Pamunkey pottery making 20: 152.
 on pestles 25: 103.
 on pillar stones 25: 152, 176, 178.
 on pottery fragments 25: 181 *sqq.*
 on stone collars 25: 159 *sq.*, 163, 164, 165 *sq.*, 168.
 on stone heads 25: 133, 134, 135.
 on stone masks 25: 136.
 on three-pointed stones 25: 111, 113, 114, 115, 116, 117, 118, 119, 120 *sq.*, 123, 124, 128 *sq.*
 on wooden idols 25: 200, 201.
 on *zemis* 25: 139, 140.
 steatite quarry visited by 15: 117.
 work by, on Indian Cyclopedica 16: LXX.
 work of 1: XXII; 2: XXII, XXV; 3: XXIX; 24: XXVI; 26: XXV.
- Mason, R. B.**, commissioner to examine Cherokee feuds 5: 301.
- Mason and Dixon's Line**, trail similar to 42: 757 *sq.*
- Mason County, Ky.**, occurrence of earthenware spoons in 20: 44.

Mason Valley, description of 14: 765, 769.

Masonry

- ancient, at Nutria 8: 94.
 deteriorated by plastering 16: 161.
 exterior of kivas 8: 114.
 of ancient Verde villages 13: 201, 203, 204, 212, 248, 259.
 of Awatobi 17: 616.
 of Casa Grande 13: 309.
 of cavate lodges 13: 225.
 of cliff houses 16: 95, 98, 101, 102, 104, 128, 136, 137, 140, 142, 143, 144, 148, 149, 150, 159, 197.
 of Honanki 17: 563.
 of Palatki 17: 554 *sq.*
 of Pueblo Bonito, skill shown in 8: 194.
 of Sikyatki 17: 644.
 Ojo Caliente carelessly constructed 8: 96.
 rude, in cliff houses 16: 132, 151.
See also Chinking; Mortar; Walls.

Mass at old Acoma 47: 103.

Massachuset

- games of the 24:
 dice games 73.
 football 697, 698.
 stick games 230.

Massachusetts

- aboriginal steatite quarrying in 15: 96.
 Indian policy of 18: 599–611.
 occurrence of Iroquoian pottery in 20: 168.
 petroglyphs in 10: 86 *sq.*
 pottery of 20: 146, 178 *sq.*

Massachusetts-Narragansett Group. *See New England Tribes, Southern.*

Massachusetts Tribe, missionaries recorders of 43: 211.

Massacre at Fort Phil. Kearny 4: 144.

Massage among the Pima 26: 268.

Massasoit, sale of land by 18: 600 *sq.*, 607, 621 *sq.*

Massi Poison. *See Wassi.*

Massingberd, Francis C., quoted on the Carmelites 9: 358.

Massutakaya land cessions and reservations 18: 784.

Mast 35: 99, 100.

Mast-hole 35: 101.

- Masta**, Abnaki chief, cited 4: 152.
- Masta, Henry**, information furnished by 43: 177.
- Mastcomo**, Hopi festival performed at 21: 36.
- Master of Breath**
mention of 42: 514, 584.
See also **Hisagita Immisi**.
- Master of Ceremonies** 38: § 278, 588.
- Master of Life**, mention of 32: 61.
- Master of the Park**, duties of 46: 443.
- "Masters of Waters,"** beliefs concerning 42: 490.
- Mastication**, effect of, on the Eskimo skull 46: 359.
- Mastodon**
bones of, found at Big Bone Lick 42: 790.
bones of, found at Saltville 42: 752.
in Potawatomi myth 14: 209.
- Mastodon Disease**, basis for name of 42: 649.
- Maswick Katcinas**
appearance of, in Powamû festival 21: 36, 38.
chorus of 21: 77.
- Mat**
cedar bark 35: 125, 405.
closing for kiva hatchways 8: 127, 128.
face covered with, while sleeping 31: 397.
for seat 35: 307.
Guiana Indian 38: § 393-401.
natural form of 38: § 453.
See also **Mats**.
- Mat-maker**, means of making a child a successful 35: 698.
- Mat Satchel** 38: § 399, 400.
- Mat Symbol** in the codices 16: 264.
- Mata, Aurelio**, aid given to McGee by 22: i, xii.
- Máta**, a pueblo millstone 14: 522.
- Matabo**, wooden trumpet 38: § 559.
- Mátaki**, a pueblo millstone 14: 522.
- Matalóte**, Gila fish 26: 83.
- Matapa**, a settlement in Sonora 14: 355.
- Matapi**
cassava squeezer 38: § 345.
creel 38: § 204, 345.
- Matchebenarhshewish**
cession of reserve at 18: 718.
reservation at 18: 704.
- Matches** among the Eskimo, use of 18: 76.
- Materialism**, nature and origin of 20: CLXXXVI *sqq.*
- Materials**
Apalachee-Ohio pottery 20: 180, 181.
art influenced by 15: 23.
by which pictographs are made 10: 218-222.
eastern United States pottery 20: 45-48, 53, 55, 57, 59.
eastern United States pottery, salt-making vessels 20: 29.
Florida Peninsula pottery 20: 117, 121.
Gulf Coast pottery 20:
influence of, on forms of vessels 62.
influence of supply of, on development of arts 22, 23.
mention of 106, 108, 111, 113.
Iroquoian pipes 20: 173.
Iroquoian pottery 20: 161, 165.
Middle Atlantic coast pottery 20: 148, 151, 152, 153, 155, 157, 158.
Middle Mississippi Valley pottery 20: 83 *sq.*, 89, 97, 99.
New Jersey-New England pottery 20: 175, 177, 179.
Northwestern pottery 20: 188, 193, 196, 198, 199, 200, 201.
South Appalachian pipes 20: 141.
South Appalachian pottery 20: 131, 132, 133, 138.
southern and northern pottery 20: 187.
used for pictographs 4: 36.
used for pottery 4: 267, 283, 372, 393, 434.
used in basketry 41:
distribution of 154 *sq.*
gathering of 149 *sq.*
mention of 138, 144, 145-149, 154, 155, 360 *sq.*
preparation of 150-154.
terms for 389 *sq.*
trade in 156.
used in stone battering 15: 96.
utilized in stone art 15: 21.

Materials—Continued

See also **Clay**; **Mica**; **Rock**; **Sand**; **Shell**; **Siliceous tempering**; **Steatite**.

Maternal Descent among the Tsimshian 31: 411.

Maternal Social Organization, study of 18: xxxix sqq.

Mathematics, development of science of 20: CLXX.

Mather, Stephen T., mention of 41: 27.

Ma'theteune. *See* **Buffalo Hunt, Winter**.

Mathews, C. W., on wild rice in Kentucky 19: 1030.

Mathews, W. P., *Bill Nix*, Osage tradition dictated by 6: 377.

Mathiassen, T., 46: 333, 339, 370.

Matia, description of 21: 104.

Ma'tke 'Hlan'nakwe. *See* **Great Fire Fraternity**.

Ma'tke 'San'nakwe. *See* **Little Fire Fraternity**.

Matlatzincan or **Pirinda**, number names of 19: 873.

Mato-Sapa, *Black Bear*, chart made by 10: 268.

Mato tipi, beliefs concerning 11: 448

Matrilinear Clan System, tribes associated by 42: 713.

Matrilinear Descent

among the Creeks 42: 695 sq.
theories concerning 40: 341.

See also **Maternal Descent**.

Matriliny, origin of, in Corn groups 47: 345.

Matrimonial Game

of the Assiniboin 24: 555.

of the Grosventres 24: 537.

Matrons

prominence of, in Seri socialry 17: 269*-274*.

prominence of, in Seri funeral rites 17: 287*-292*.

Mats

cane, burial accompaniments found in 13: 30.

grass, used by Eskimo while fishing 18: 176.

made by Eskimo 18: 202 sq.

made by Thompson Indians 41: 138.

Mats—Continued

manufacture of 30: 79, 81; 44: 378.

materials used in 45: 47, 218 sq.

not ornamented 41: 360.

of flags and rushes 13: 26.

of the Carolina Indians 13: 16.

of the Kwakiutl 35: 202, 203, 221, 240, 251, 254, 256, 264, 775.

of the Menomini 14: 258.

of the Omaha 13: 275.

of the Winnebago 13: 275.

Omaha lodges of 13: 269, 271.

ornamentation of 45: 219.

spread before guests 35: 384.

textile impressions left by 20: 69.

used for covering lodges 41: 355.

used for lids 41: 185.

used in housebuilding 14: 255, 514.

used in medicine lodge 14: 71 sq.

uses of 45: 47.

woven 45: 327.

See also **Mat**; **Matting**.

Matsailema. *See* **Zuñi**.

Matsaki

a town of Cibola 13: 326.

description of 8: 86; 14: 493.

ruins of Pueblo settlement at 14: 517.

sun symbol at 8: 148.

visited by Coronado 14: 594.

Zuñi cremation observed at 13: 366.

Matshikine, member of the Menomini court 14: 35.

Matsi'shkota, a Cheyenne division 14: 1026.

Matson, J. S. B.

beads discovered by 2: 231.

description of shell plates by 2: 265.

Matsumura, Prof. J.

on identity of *Zizania aquatica* in Japan 19: 1021, 1037.

on popular synonyms for wild rice in Japan, China, and Formosa 19: 1024.

on *Ustilago esculenta* 19: 1027.

Mattaponi Indians, discovery of remnants of tribe 22, i: xii.

Matthew, — 46: 205.

Matthews, Dr. Washington

acknowledgments to 11: 501; 14: 655; 17: 476, 488.

Matthews, Dr. Washington—Con.
 aided by F. H. Cushing 3: xviii.
 cited 4: 60, 126, 195; 10: 210;
 30: 25, 37, 42, 57.
 contributor to Bureau 48: 1189.
 destruction of Hidatsa notes of
 15: 242.
 field work of 6: xxxviii.
 material collected by 24: 57, 95,
 186, 187, 747, 758.
 obituary of 48: 1221.
 on ball play myth, Cherokee 24: 563.
 on ceremonial use of colors by
 Navajo 10: 623.
 on changes in Indian languages 17:
 390.
 on dice games, Hidatsa 24: 186.
 on dice games, Navaho 24: 94 sq.
 on effect of use of Kiowa cradle 17:
 155.
 on etymology of *Nakai-dokli'ni* 14:
 705.
 on Ghost dance among Navaho 14:
 809.
 on Hastsetsi, a Navaho god of racing
 24: 804.
 on Hidatsa 15: 197, 242; 17: 158.
 on Hidatsa and Crow separation
 17: 154, 155.
 on Hidatsa and Mandan chronology
 17: 370.
 on Hidatsa name of the Crow 15:
 198.
 on Hidatsa name of the Sioux 14:
 1057.
 on Hidatsa superstition 1: 199.
 on Hidatsa tattooing 17: 159.
 on hidden ball, Navaho 24: 346 sq.
 on hoop and pole, Navaho 24:
 458, 459.
 on Indian beliefs 11: 391, 403.
 on Indian ceremonials 11: 505.
 on llama in Pueblo country 14: 549.
 on Navaho beliefs 11: 369; 26:
 252 sq.
 on Navaho chungke stones 13: 99.
 on Navaho hypnotism 14: 811.
 on Navaho myths 19: 229, 443,
 447 sq., 468, 501.
 on Navaho traditions regarding cliff
 ruins 16: 191.
 on present condition of the Navaho
 14: 809.

Matthews, Dr. Washington—Con.
 on shinny, Navaho 24: 623 sq.
 on significance of Navaho songs
 14: 1009.
 on sun in Navaho mythology 26:
 239.
 on symbolic colors 11: 532.
 on tops, Hidatsa 24: 747.
 on tree burial 1: 161.
 pottery obtained by 20: 198.
 quoted on Indian beliefs 11: 501,
 509, 514, 518.
 quoted on Siouan fetishes 11: 515.
 references to 29: 44; 32: 51.
 study of fraternities and cults by
 19: xlvii.
 the Mountain Chant by, notice of
 5: xliv–xlviii.
 work of 2: xxxiii; 5: xxx; 7:
 xxxii; 9: xli; 24: xxv, xxvi;
 26: xxv.

Matting

cane, traces of 41: 560, 571.
 cane, used in burial 41: 530.
 cane, walls hung with 41: 568, 570.
 collection of 18: xlvii.
 discussion of 13: 18.
 Eskimo, in graves 46: 77.
 from Pueblo ruins, character and
 use of 22, i: 97.
 from Pueblo ruins, figure showing
 type specimen of 22, i: 97.
 preservation of, by charring 13:
 36.
 split cane, from Louisiana 13: 37,
 38.

See also **Mat**; **Mats**.

Matto Sapa

or Black Bear's chart 4: 94, 99–
 127.

See also **Mato Sapa**.

Mattoal, symbol for 4: 167.

Mattocks of the Eskimo 9: 302 sqq.

Mattpament, identification of 13:
 xxvi.

Matupa, human hair belt 38: § 543.

Maturity

among the Kwakiutl 35: 699.

girl approaching, dress of 35: 701.

Seri arrival at 17: 137*.

See also **Menstruation**; **Puberty**.

Matwa Karso, rackets made by 24:
 606.

- Matyata**, former New Mexican pueblo 14: 357.
- Mauci Tiuvél**, a Haitian cacique 25: 73.
- Mauck, S. M.**, hornstone on land of 44: 524.
- Maudsley, Dr. A. P.**
drawing of Copan inscriptions by, cited 19: 804, 805.
inscriptions from Mayan monuments from works of 22, i: 211, 217, 218, 221, 224, 225, 227, 229, 230, 231, 254, 266.
on inscriptions from Copan 19: 728.
on inscriptions of the Quirigua 19: 743.
on interpretation of Sun Tablet 19: 739.
on reading Maya glyphs 19: 708.
on reading of Piedras Negras inscriptions according to Goodman's theory 19: 788-791.
photograph of Copan inscriptions by, cited 19: 776, 777, 778, 785, 795, 803.
photograph of Foliated Cross by, cited 19: 765.
photograph of inscriptions from Temple of the Sun by, cited 19: 732.
photograph of Sun Tablet by, cited 19: 761.
photograph of Temple of Inscriptions by, cited 19: 771, 774.
reference to 19: 699, 711.
reference to *Biologia centrali americana* of 19: 700.
reference to drawing of Tablet of the Cross by 19: 754.
work of, in Central American archaeology, reference to 22, i: XLIV, 203.
- Mauharots**, the head estufa 47: 30.
- Mauitzi Tribe** 38: § 508.
- Maukekose's Band**
cession of reserve by 18: 754-766.
reservation for 18: 740.
- Mauls**
of the Eskimo 18: 88.
of the Eskimo, evolution of 9: 98 sq.
of the Eskimo, of bone 9: 97 sqq.
of the Eskimo, of stone 9: 93-97.
- Mauls—Continued**
stone 45: 41.
stone, Casa Grande 28: 124 sq.
used in steatite working 15: 111.
- Maumee**, treaty of 18: 748.
- Maumee Rapids**
effect of battle of 19: 81.
participation of Cherokee in battle of 19: 79.
- Mauna.** See *Copaifera*.
- Maunk-hay-raith**, Menomini treaty signer 14: 28.
- Maurault, J. A.**
on Abnaki genesis 14: 87.
on Abnaki jugglery 14: 145.
on Abnaki totemism 14: 65, 66.
- Maurelle, —**, on Puget Sound labrets 3: 87, 89.
- Maurice, Thomas**, cited on sacred cords 9: 566.
- Mauritia Flexuosa.** See *Ite*.
- Maus, Lieutenant —**, obtained interpretation of time chart 4: 93.
- Mauvila**
battle of 19: 96, 191.
description of 41: 551.
- Mawa'donthi^a**, remarks of 27: 637.
- Mawári**
invocation of 30: 349.
legend of tobacco smoke and 30: 192.
- Mawi**, a Comanche war chief 17: 302.
- Mawmouth**, Kealedji chief 42: 322.
- Maximilian, Prinz zu Wied Alexander Philipp**
Assiniboin gentes given by 15: 222.
Hidatsa studied by 15: 242.
on Assiniboin divisions 15: 161.
on dice games, Assiniboin 24: 177.
on hand and foot ball, Mandan 24: 707 sq.
on hand game, Assiniboin 24: 317.
on hand game, Blackfeet 24: 269.
on hoop and pole, Hidatsa 24: 511.
on hoop and pole, Mandan 24: 513.
on hoop and pole, Ponca 24: 517.
on Indian beliefs 11: 440, 443, 506, 509, 515.
on Indian ceremonials 11: 504.
on Mandan house remains 15: 196.
on Mandan sociology 15: 241.

Maximilian, Prinz zu Wied Alexander**Philipp—Continued**

on native name of the Mandan 15: 163.

on Siouan use of dogs 15: 171.

on Siouan use of horses 15: 174.

on snow-snake, Hidatsa 24: 419.

on snow-snake, Mandan 24: 419.

on time reckoning, Hidatsa 17: 370.

on tossed ball, Hidatsa 24: 710.

reference to work of 11: 501.

value of records of 15: 183.

See also Wied, Prince of.

Maximiliana Regia. *See* Kokerit.

Maxwell, —, presentation of *tai-me* to 17: 324.

Maxwell, C. A., aid of, acknowledgment of 5: 130.

May, L. L., & Co., on present sale of wild rice to whites 19: 1105.

May Apple in Cherokee lore 19: 420.

May Weed, medicinal use of 43: 264.

Maya

and Malay languages compared 16: XXI, XXV, XXVI, XXVII, XXXII, XXXVII.

and Malay terms compared 15: LXXXIV.

and Mexican manuscripts, references to 3: 1-65; 6: 280.

astronomy 21: XXXI.

beliefs on creation 30: 229.

calendar systems 3: 10 *sqq.*, 14; 21: XXXI.

calendar systems, memoir on 23: XXXVII, XLIII.

calendar systems, preparation of memoir on 15: XLI.

characters connected with signs 1: 356, 376.

codices and antiquities, papers on 23: XVIII.

codices, relative excellence of Hopi pictures and 21: 15.

codices, study of 13: XXXVI; 14: XXXVII.

codices, work on 15: XX, XXIV, XXVII, XXXVI, L, LV, LIX, LXIII, LXVI, LXXVIII.

days, list of 19: 807.

days, names of the 16: 206.

dictionary, work in transcribing 22, i: XXXIII.

Maya—Continued

games of the 24:

cat's cradle 762, 772.

dice games 143.

stilts 731.

tops 741.

unclassified games 783 *sq.*

gesture signs of the 10: 645 *sqq.*

hieroglyphs, introduction to the study of 36: 31.

hieroglyphs, paper on 37: 27.

hieroglyphs, study of 16: XIX, XXX.

hieroglyphs, work on, by Morley 34: 23.

language, dictionary of 21: XXVI.

myths of the 19: 451.

not mound builders 12: 18.

or Toltec, builders of mound-covered temples at Santa Rita 19: 670-673.

paper on 40: 17.

preparation of vocabulary of 23: XXXVI.

relationships of 25: 216.

symbolic characters of 10: 645.

writing 4: 14.

written characters of 10: 756.

year, day symbols of the 16: xcv, 199-265.

year, memoir on 15: XLII, XLVI, XLVII, XLIX, LIV, LXII.

See also Hieroglyphics.

Maya Deities. *See* Ahbuluc-Balam; Baklum-Chaam; etc.

Maya-English Dictionary

preparation of 24: XXIII.

See also Maya.

Mayan

calendar systems 19: 693-819; 22, i: 197-305; 25: XIX.

calendar systems, characterization of 22, i: XLIII *sq.*

calendar systems, names of days of, table showing 22, i: 278.

method of calculation, discussion of 22, i: 282-290.

number names, formation of 19: 862, 863, 880, 890-894.

numeral system, figures from Dresden Codex illustrating 22, i: 259.

numeral system, principles of 22, i: 259 *sqq.*

numeral system, significance of 22, i: 290-299.

- Mayan Antiquities.** *See* Mexican and Mayan Antiquities.
- Mayan Chronology**
ahau symbols in, discussion of 22, i: 265.
ahau symbols in, figures showing 22, i: 267.
 calendar tables of 22, i: 304 *sq.*
 cycle symbol in, discussion of and figure showing 22, i: 234-237, 268.
 full count in, symbols for 22, i: 264.
 great cycles in, discussion of 22, i: 262-275.
 great cycles in, initial dates of, table showing 22, i: 255, 256.
 great cycles in, symbols for 22, i: 264, 266.
katun symbols in 22, i: 265, 267.
 number tables of 22, i: 304 *sq.*
 symbols for numerals in, discussion and figures of 22, i: 210-217, 264.
 time periods of, terms designating 22, i: 204.
 value of calendar terms in 22, i: 204, 234.
- Mayan Inscriptions**
 initial series of 22, i: 203-226.
 secondary series of 22, i: 226-233.
 significance of terminal dates in 22, i: 290-299.
- Mayan Stock**
 tribes of the 24:
 Kekchi 141.
 Maya 143, 741, 772, 783.
- Mayby, —**, death of 17: 279.
- Mayer, Brantz**, on Casa Grande 28: 53, 63.
- Mayerhoff, Rev. Paul S.**
 material collected by 24: 87, 450.
 on dice games, White Mountain Apache 24: 87.
 on hoop and pole, White Mountain Apache 24: 450-453.
- Mayes, Chief J. B.**, proposition for land cession made to 19: 153.
- Maynardier, General —**
 as "Many Deer" 4: 144, 170.
 peace made by, with Indians 4: 144.
- Mayne, Commander R. C.**, on hand game, Songish 24: 302.
- May's Lick, Ky.**, trail to 42: 789.
- Maysville, Ky.**
 spool-shaped pottery objects from 20: 43 *sq.*
 trails to 42: 742, 780, 788, 789.
- Mazateca**
 method of counting 19: 879.
 method of forming numbers above ten 19: 872, 888 *sqq.*, 930.
- Mazatl** day symbol, discussion of 16: 232.
- McAdams, William**
 engaged as temporary assistant 12: 19.
 explorations and surveys by 12: 131, 132, 134.
 on salt-making vessels 20: 31.
- McAndrews, Joseph**, mound on farm of, Tennessee 12: 404.
- McBain, Samuel**, on absence of wild rice in Tennessee 19: 1032.
- McBeth, Miss K. C.**, Nez Percé manuscript presented by 15: xxxi, lxxxv.
- McBeth, Miss S. L.**, Nez Percé grammar by 15: xxxi, lxxxv.
- McBride, —**, Miami Valley pottery collected by 20: 184.
- McBroom, —**, survey by 18: 902.
- McCall, Hugh**, quoted on Georgia's Indian policy 18: 634 *sq.*
- McCalls Ferry, Pa.**, petroglyphs at 10: 108.
- McCarthy, W. C.**
 East Cherokee agent 19: 174 *sq.*
 on East Cherokee condition in 1875 19: 175.
- McCarty, Gerald**, on wild rice in North Carolina 19: 1031.
- McCarty's Village**
 cession of reserve at 18: 748.
 establishment of reserve at 18: 688.
- McCausland, Gen. John**, mounds on land of, West Virginia 12: 435; 42: 755.
- McChesney, Dr. Charles E.**
 account of battle of Little Bighorn by 10: 563.
 information furnished by 24: 183 *sq.*
 mention of 1: 107-111.
 on "Ghost gamble" 1: 195.
- McCleave, Capt. William**, capture of, by Confederates 26: 48.

- McCleish, J.**, reservation for 18: 682 *sq.*, 694.
- M'Clintock, [Captain]** —, cited 6: 411, 455, 456, 458.
- McClintock, —**,
cited 30: 320, 339, 340, 352.
on burial of the dead 30: 154 *sq.*
- McClintock, W. F.**, killed at Wounded Knee 14: 872.
- McCloud River Indians**, illustration of ornamentation by 6: 221.
- McClure, —**, cited on Eskimo whale fishery 9: 276.
- McClure's Ford, Tenn.**, Indian defeat at 42: 850.
- McCombs, William**
acknowledgment to 42: 32.
cited on naming customs 42: 98.
cited on punishment for adultery 42: 353 *sq.*
cited on Roly McIntosh 42: 331.
information furnished by 42: 107, 145, 529, 532, 644.
myth related by 42: 112, 113, 114.
names furnished by 42: 99.
- McCormick, L. M.**, photographs of pictographs supplied by 25: 157 *sq.*
- McCormick Place**, flint on 44: 517.
- McCoy, —**, survey by 18: 727.
- McCoy, A.**, grant of land to 18: 671.
- McCoy, Isaac**, on Osage devotions 36: 50.
- McCoy, J. C.**, survey by 18: 709.
- McCue, J. M.**, killed at Wounded Knee 14: 872.
- McCulloch, Benjamin**, Confederate commander in Cherokee country 5: 326
- McCulloch, Charles E.**, mound on land of 12: 436; 42: 756.
- McCulloch, J. H.**, advocates Indian origin of mounds 5: 84.
- McCulloch, —**, on De Soto's route 19: 193.
- McCulloch, John**, Delaware captive 14: 668.
- McCulloch Farm**, flint on 44: 510.
- McCulloch, —** 46: 218.
- McCulloch, James H.**, ascribes the mounds to Indians 12: 600.
- McCurtain, Zeno**
beliefs recorded by 44: 195.
information from 44: 178, 270.
- McCusker, Philip**
interpreter at Medicine Lodge treaty 17: 186, 321.
surrender of Kiowa to 17: 211.
- McCutheonsville**, treaty of 18: 734.
- M'Donald, A.**, cited 6: 410.
- McDonald, Dr. A. J.**, on rock fissure burial 1: 127.
- McDonald, W. J.** 46: 35.
- McDowell, —**
defeat of Ferguson by 19: 57.
on Ohio Cherokee 19: 79.
- McDuffie, —**, report concerning Fresno River reserve by 18: 822.
- McElmel Valley** 4: 315.
- McElmo Bluff**, masonry of buildings on 40: 3.
- McElmo Canyon**, exploration in 40: 2 *sq.*
- McElmo District**, visit to ruin of 39: 12.
- McElwee, Judge W. E.**
acknowledgment to 42: 841.
cited 42: 846.
- McEwen, Lieut. Norman**, assistance rendered by 41: 89.
- McFarland, Colonel —**, expedition under 19: 75.
- McGavock, J. Williamson**, acknowledgment to 42: 759.
- McGee, Mrs. Ann**, mound on land of, Tennessee 12: 377.
- McGee, Dr. W. J.**
acknowledgments to 13: 378; 15: 18; 19: 1020; 20: 17; 25: 18.
acting director of Bureau 24: LX *sq.*
administrative report by 22, i: IX-XLIV.
appointment of 15: XIX.
ceremonies among Yaki Indians witnessed by 22, i: XXXIV.
cited on Seri "Second harvest" 26: 71.
collections made by 20: XXIV.
contributor to Bureau 48: 1189.
directed to examine Casa Grande 15: 347.
ethnologic collection made by 22, i: XXXVIII *sq.*
examination of Casa Grande by 15: 329.
examination of Casa Grande recommended by 15: 344-347.

McGee, Dr. W. J.—Continued

- examination of quarry shops by 15: 52.
- field work by 20: x; 22, i: xi sq., xxvii sq.
- letter of transmittal by 22, i: iii.
- material collected by 24: 146, 148, 354.
- memoirs by 15: xcvi, 153-204; 17: lvi, lxiii-lxvii, 1-344*; 19: xliii sq.
- mention of 34: 249.
- notes by 18: 649, 869.
- obituary of 48: 1221.
- office work by 20: xiv, xvi, xvii sq., xxii; 22, i: xv sq., xxiv.
- on archeology of District of Columbia 15: 31.
- on beginnings of agriculture 19: 1056.
- on beginnings of mathematics 19: 874 sq., 877.
- on California number names 19: 871.
- on cult of the Quarters 19: 948 sq.
- on dice games, Papago 24: 148.
- on geology of workshop sites 15: 31.
- on hidden ball, Papago 24: 354 sq.
- on influence of bison on migration of Siouan stock 19: 1043.
- on Maya method of computation 19: 933.
- on Mayan arithmetical methods 22, i: 282.
- on origin of Assiniboin tribe 19: 1054.
- on primitive numbers 19: 821-851.
- on relation between barefoot and sandal-wearing people and the vigesimal system 19: 925.
- on saguaro hook 26: 103.
- paper prepared on invitation of 24: 30.
- papers on primitive psychology by 23: xxii.
- psychologic studies of 23: xx.
- reconnaissances of, in Colorado 23: xvi.
- report on Casa Grande by 15: 348 sq.
- researches of 14: xxxviii; 16: xxvi, xxix, xxx, xxxiii sq., l, liii, liv, lx, lxii, lxviii, lxxvii.
- resignation of 25: ix.

McGee, Dr. W. J.—Continued

- Seri language recorded by 21: xxv.
- sketch of J. Owen Dorsey by 15: 207.
- sociologic studies of 23: xvi.
- source of implement material traced by 15: 101.
- study of Seri by 21: xiv, xvii.
- work of 15: xxiv, xxvi, xxxi, xxxv, xlvi, lviii, lix, lxii, lxxiv, lxxx; 17: xl-xlv, li; 18: xxviii, xxxii, xxxvi-xli, xlv; 19: xx, xxi, xxix; 24: xii sq.

McGee, W. J., and Muñiz, M. A.,
memoir by, on primitive trephining 16: lxxxviii sq., 3-72.**McGill, A. J.,** mortuary fabrics procured by 13: 30.**McGillicuddy, Dr. V. T.**

- management of Indians by 14: 845, 852.
- on causes of Sioux outbreak 14: 831, 840.
- on pictographs 4: 160, 177.
- on Sioux outbreak 14: 888.
- relieved as Indian agent 14: 828.

McGillivray, Gen. Alexander

- an unofficial dictator of the Creek nation 42: 323.
- busk described by 42: 583 sq.
- effect of death of 42: 327.
- endeavor to form Indian confederacy by 19: 72.
- Indian name of 42: 324.
- influence of, on Creek government 42: 324 sq.
- information furnished by 42: 96.
- innovations introduced by 42: 298.
- law introduced by 42: 356.
- life of 19: 209 sq.
- means used by, to secure power 42: 325 sq.
- mention of 42: 310.
- power of 42: 40.
- ransom of Mrs. Brown by 19: 65.
- relations of, with the British 42: 325.
- remonstrance against Creek raids to 19: 67.

McGillivray, Lachlan, father of Alexander 42: 326.**McGilvery, William,** chief of a Chickasaw district 44: 212.**McGinley, Bishop,** acknowledgment to 48: 9.

- McGinnis' Farm**, flint on 44: 519.
McGlone Place, flint on 44: 519.
McGraney, Father —, among the Flat-head 45: 385.
McGuire, Joseph D.
 acknowledgments to 15: 17; 29: 12.
 caches found by 15: 79.
 collection of 6: 1; 15: 89.
 collection presented by 30: 22.
 donation of pottery by 5: xxxvi.
 early records of aboriginal technology collected by 23: xxxii.
 on ancient steatite quarries 15: 107, 125.
 on human remains on Jamestown Exposition site 26: xx sq.
 on use of chisels in steatite working 13: 72.
 rhyolite found by 15: 74.
 technological researches of 23: xxxii.
 work of 24: xxvi; 25: xx sq.; 26: xiii, xxv, xxvi.
 work on American pipes by 20: 45, 99.
Mchemnito in Menomini mythology 14: 207.
McIlhenny, E. A.
 material collected by 24: 104, 755.
 mention of 46: 254.
 on dice games, Eskimo 24: 104.
McIntosh, Clermont, treaty signed by, in 1837 17: 170.
McIntosh, J., survey by 18: 697.
McIntosh, Lachlane
 agent of Tennessee with Cherokee 5: 179.
 commissioner to treat with Cherokee 5: 133.
McIntosh, Roly
 first chief of Lower Creeks in the West 42: 330.
 head chief of the Creek nation 42: 316, 320.
 head chief of Lower Creeks 42: 315, 320.
McIntosh, Roly, 2d.
 named by the first 42: 331 sq.
 second chief 42: 331.
McIntosh, Gen. William
 at Coweta 42: 309.
 attitude of, during Creek war 19: 89, 90.
McIntosh, Gen. William—Continued
 cession of reserve for 18: 708, 714.
 head chief of Coweta 42: 328.
 head chief of Lower towns 42: 315.
 influence of 42: 328.
 killing of 19: 134.
 life of 19: 216 sq.
 removal of Creeks after killing of 19: 385.
 reservation for 18: 702.
 speaker of the Creek nation 42: 329.
 treaty signed by 19: 61.
McIntosh County, Ga., bowl from 20: 139.
McIntosh Family, wealth of 42: 333.
McIntosh Party, a name of the Lower Creeks 42: 68.
McKay, —, mask from Bristol Bay collected by 3: 141.
McKay, Charles L., material collected by 24: 738.
McKee, Mrs. James, information furnished by 42: 666.
McKenney, R. T., treaty commissioner 14: 21.
McKenney, Thomas L.
 chief of the Indian Bureau (1825) 19: 111.
 on birds destructive to wild rice 19: 1027.
 on Cherokee government 19: 107.
 on Chippewa widow 1: 184.
 on drowning of wild rice 19: 1099, 1100.
 on scaffold burial 1: 161.
 treaty commissioner 14: 27, 28.
McKenney and Hall
 on battle of Horseshoe Bend 19: 96.
 on Cherokee declaration of war against Creeks (1813) 19: 89.
 on invention of Cherokee syllabary 19: 110.
 on killing of Doublehead 19: 85.
 on number of Cherokee in Creek war 19: 96.
 on Osage-Cherokee troubles 19: 137.
 on Prophet's mission among Cherokee 19: 89.
 on Sequoya's ancestry 19: 109.
 on Tahchee 19: 141.

- McKenney and Hall**—Continued
on Tecumtha among Creeks 14: 687.
- McKenzie, Gen. R. S.**
attack on Cheyenne by 17: 211.
conveyance of Kiowa prisoners to Texas by 17: 332.
Kiowa name of 17: 211.
sale of Kiowa horses by 17: 340.
surrender of Comanche to 17: 214.
- McKinley, Lieut. Ashley C.**, mounds photographed by 41: 67.
- McKinley, William**, on burial urns 1: 13.
- McKinley, Pres. William**, visit of, to Phoenix, Ariz. 26: 66.
- McKoin, John J.**
material collected by 24: 207, 682.
on ball race, Mohave 24: 682.
on hoop and pole, Mohave 24: 523 sq.
- McLain, Miss L.**, acknowledgment to 14: 655.
- McLaughlin, Major —**, Oglala roster 4: 174.
- McLaughlin, James**
advises against immediate arrest of Sitting Bull 14: 852, 854.
advises removal of Sitting Bull 14: 848.
effort of, to arrest Sitting Bull's band 14: 860.
effort of, to arrest Kicking Bear 14: 847.
Indian police praised by 14: 859.
interview of, with Sitting Bull 14: 849.
on Sioux Ghost dance 14: 787.
on Sioux outbreak 14: 843.
Sitting Bull's arrest arranged by 14: 855.
Sitting Bull's removal advised by 14: 854.
- McLean, Donald**, genealogy of 45: 271 sq.
- McLean, John**, cited on Hudson Bay territory 11: 168.
- McLean, John P.**
cited 4: 250.
material collected by 24: 244, 734.
- McLean Basin**, towers in 40: 3.
- McLennan, J. F.**, on primitive mariages 17: 284*.
- McLeod, M. F.** 46: 55, 139.
- McLung, —**, grant of land to 18: 671.
- McMahon Mound** 2: 214, 292, 294, 298, 301, 303.
- McMinn, Gov. Joseph**
appointed Cherokee agent 5: 236.
commissioner for Cherokee treaty 5: 212, 216.
effort to cause Cherokee removal by 19: 105.
emigration under direction of 19: 103.
figures of, on Cherokee emigration 19: 106.
on Cherokee migration 5: 218, 223 sqq.
treaty signed by 19: 103.
- McMurray, Boyd and Samuel**, mounds on farm of, Tennessee 12: 368.
- McNab, —**, at Eleazer William's investigation 14: 24.
- McNair, David**, grave of 19: 221 sq.
- McNeil, —**, sketch of pictographs by 25: 151.
- McNeil, J. A.**
archeologic work of, in Chiriqui 6: 14, 15, 20.
cited 6: 17, 22, 23, 27, 31, 40, 41, 43, 46, 107.
collection of relics from tombs of Chiriqui by 6: XLIX.
- McNeill, Jerome**, on absence of wild rice in Arkansas 19: 1029.
- McPherson, Little Tulsa chief** 42: 322.
- McPherson, John**, Canadian pottery collected by 20: 171.
- McPherson, Roderick**
resignation of 41: 95.
work of 41: 94.
- McQuesten, —**, acknowledgment to 18: 22.
- McSpadden, T. T.**, mounds on farm of 12: 372, 373.
- McWhorter, L. V.**, petroglyphs reported by 10: 126.
- Mdewakanto^awaⁿ; Mde-wakañ-toñ-wañ; Mdewakantonwan.**
a Sioux division 14: 1058.
mention of 4: 173, 186.
population of the 7: 116.
sociology of the 15: 215.

Meacham, A. D.

on character of Columbia River
tribal lands 14: 709.

on Smohalla religion 14: 711.

Meadow, —, collection presented by
41: 116.

Meadow Lark

Cherokee name for 19: 281.

myth concerning 19: 467.

Meadow Parsnip, use of 44: 293,
344.

Meadow Rue, mention of 33: 80.

Meal

ceremonial grinding of 47: 314.

ceremonial use of 15: 270, 272,
273, 275, 277, 280, 283, 284, 285,
286, 294, 295, 297; 47: 31, 45,
46, 125, 275 *sq.*, 499.

cones of, in Tusayan ceremony 16:
278, 279.

corn ground into, for Natackas 21:
71.

distribution of 23: 492.

grinding of, by Añya katchina manas
21: 73.

grinding of, in Corn festival 21: 94.

in Cipaulovi Snake dance 16: 285.

in Oraibi Snake dance 16: 293.

in Tusayan ceremony 16: 281, 282.

lines of, in Tusayan ceremony 16:
279 *sq.*, 292.

offering of, in Powamû festival 21:
39.

ritual road made of 47: 276.

sacred, at Oraibi altar 16: 92.

sacred, preparation of 8: 256.

sacred, trail closed with 17: 596,
597.

sacred, use of, at Tusayan 14: 486.

sacred, use of, by Apache and Pueblo
9: 508-511.

sacrifice by the Hopi 17: 739.

sprinkling of snakes with 16: 295.

sprinkling of trees with 23: 520, 521.

symbolic use of, in Hopi festivals
21: 30, 31, 33, 34, 37, 41, 44, 56,
60, 69, 103, 107, 118, 121.

use of, by different peoples 9: 510-
515.

votive, used in Pueblo house-building
8: 101.

See also **Corn; Pollen; Prayer Meal.**

Meal Bags of Tusayan, description of
16: 297.

Meal Circle

about Kisi 16: 288.

in Cuñopavi Snake dance 16: 289.

in Oraibi Snake dance 16: 295.

Meal Plaque, appearance of, in rep-
resentations of Hopi katchinas 21:
69.

Meal Pouch, appearance of, in pictures
of Hopi katchinas 21: 59, 65, 68, 76,
121.

Mealing Stones of Chiriqui 6: 25
sq.

Meals

daily, of the Zuñi 23: 369.

of the Eskimo, manner of serving
18: 289.

of the Guiana Indians 38: § 274.

of the Omaha 3: 271 *sq.*

time for, among the Indians 19:
1086 *sq.*

See also **Eating; Food.**

Meander

adjustment of 41: 266, 267.

in design 41: 282, 283.

in ornament 4: 359.

interpretation of 41: 315 *sq.*

presence of life in 20: 113.

rectilinear linked, absence of, Middle
Mississippi Valley pottery 20:
86.

use of, in decoration 20:

Eastern United States pottery 67.

Gulf Coast pottery 106.

Iroquoian pottery 163, 168.

Middle Mississippi Valley pottery
86, 100.

Ohio Valley pottery 185.

See also **Decoration; Guilloche;
Scrolls.**

Meares, —

cited as to masks 3: 106.

cited as to preserved skulls 3: 96.

Mearns, Edgar A.

on Verde Valley ruins 13: 186;
17: 535, 544, 546.

work by, cited 28: 186.

Measles

among the Dakota 4: 110.

among the Kiowa 17: 218, 219,
223, 342, 362, 379.

among the Kiowa Apache 17: 252.

among the Maricopa 26: 58.

among the Pima 26: 53, 58, 267,
268.

Measles—Continued

- at Phoenix Indian school 26: 64.
- epidemic of, among Flathead tribes 45: 316.
- Indian treatment of 17: 274.
- Kiowa treatment of 17: 362.
- references to 27: 582, 620.

Measure, units of 20: LXI sq.**Measurement**

- Eskimo units of 18: 232 sqq.
- terms used in 41: 393 sq.

Measurements

- of depth in mounds, method of taking 12: 210.
- of the Western Eskimo 46: 229, 238.

Measures

- of distance 42: 454.
- of length 42: 454.
- of the Chickasaw 44: 245 sq.
- used by the Pima 26: 92 sq.

Measuring Cords 9: 572 sq.**Measuring Worm** in Pima mythology 26: 339, 351.**Meat**

- as food among Omahas 3: 303.
- burned in new fire 42: 605, 606.
- carrier, used by Eskimo 18: 73.
- curing of 46: 581.
- division of, after hunt 46: 531.
- drying of 45: 240.
- Eskimo method of preparing 18: 267.
- offering of, in Powamû festival 21: 39.
- preservation of, for food 44: 306.
- sacred, of the Zuñi 9: 545.

Meath County, Ireland, cairn in 10: 171 sq.**Meatwho**, a Mitau synonym 14: 734.**Mechanic Arts**

- among the Cherokee 19: 104, 112.
- among the East Cherokee 19: 166 sq.

Mechanical Devices

- utilization of 20: XL sq.
- See also* **Manufacture; Tools; Wheel.**

Mechanics, principles of 20: XL-XLIII.**Mechecouquis.** *See* **Fox Indians.****Mechigme Bay**

- physical characteristics of people of 18: 27 sq.

Mechigme Bay—Continued

- tattooing by people of 18: 52.
- umiaks used at 18: 218.

Mechling, W.

- acknowledgment to 28: 225.
- Malecite consonantic clusters from 28: 281.
- on relationship among Algonquian languages 28: 289.

Meda Fulgida Girard, fish of Colorado Basin 26: 83.**Medal**

- of Greenville treaty 14: 671.
- presented to Ápiatañ 14: 914.
- presented to Carron 14: 18.

Medallion-like Ornaments, Iroquoian pottery 20: 163.**Medamarec** land cessions and reservations 18: 784.**Medewacanton; Medewakanton**

- a Sioux division 14: 1058.
- See also* **Sioux, Medewakanton.**

Medicated Baths, Guiana Indian 38: § 922.**Medical Practice**

- among savages 16: LXXXIX.
- and exorcism, Fox Indian 40: 38, 51 sqq., 157, 159, 199, 201, 203, 205, 207.
- influenced by the whites 42: 622.
- methods of 42: 622-629.
- of the Cherokees, plants used in 7: 322-331.
- of the Indians, evils of 7: 39.
- of the Mohegan 43: 264-270.
- of the North American Indians 3: XXIX.
- of the North American Indians, discussion of 5: XLVI, XLVII.
- of the Zuñi 30: 39.
- of the Zuñi 23:
 - Beast gods, use of, in 384, 385.
 - cholera infantum, massage treatment for 389 sq.
 - curvature of spine 390 sq.
 - hysteria 388 sq.
 - massage, use of, in rheumatism 390.
 - narcotics, use of 385.
 - pneumonia 387 sq.
 - primitive surgery 391 sq.
 - success of doctress 385.
 - theurgists, confidence in 390.
 - use of antiseptics 385.
 - X ray and microbes, ideas of 385.

Medical Practice—Continued

See also Diseases; Doctors; Medical Treatment; Medicine; Medicine-Men; Medicines; Priests; Shamans; etc.

Medical Preparation of the Menomini 14: 69.

Medical Prescriptions of the Midewiwin 7: 197-201, 226, 241 sq.

Medical Treatment

payment for 42: 623.

result of failure of 42: 626.

See also Medical Practice, and references there.

Medicinal Plants

of the Pima 26: 79 sq.

of the Zuñi 30: 39-64.

Medicinal Springs, reference to 29: 197, 549.

Medicine

a man-being in Iroquoian cosmology 21: 175.

administered by bird 32: 275.

administered to war chiefs 47: 49.

ancient Peruvian knowledge of 16: 11.

ceremonial use of 47: 122.

definition of 14: 105.

disposition of, after use 8: 259.

emancipation of, from religion 20: LI.

Eskimo 9: 422 sq.

evil, odor associated with 40: 38.

experts in 35: 644.

explanation of the term 43: 610 sq.

for bringing dead to life 32: 274.

for children 47: 218.

for the hunt 44: 240.

for war gens only 40: 159, 161.

from bright-colored flowers 47: 874.

fundamental control of 20: XLIX sq.

history of 20: L-LVII.

hunting, of the Menomini 14: 213.

instructions concerning 44: 326.

Iroquois myth giving origin of 2: 18.

Iroquoian myth giving origin of Seneca 2: 70.

meaning of term 21: 15, 16.

mystery in Potawatomi myth 14: 208.

mystic origin of 14: 89, 90, 92 sq. 119, 208, 209.

Medicine—Continued

myths concerning 19: 250 sqq., 435 sq.

notable use of 47: 285.

plants used as 44: 322-368.

practice of 44: 263-272; 46: 422-426.

practice of, by jugglery 14: 140.

practice of, by Shakers 14: 761.

prayers for collecting 47: 830-834.

preparations of the Menomini 14: 153.

primitive 11: xxviii, 269, 274, 325, 417, 427, 454, 495.

quantity prepared 44: 325.

rites of, before battle 15: 689.

sanctuario visited for 47: 244 sq.

season for gathering 44: 325.

secrecy concerning 44: 324.

signs for 1: 386.

size of dose 44: 329.

small dose 32: 491.

symbolism of 9: 582.

thaumaturgic 11: 75, 97, 104, 125, 134, 194.

to induce child-bearing 40: 337, 605.

to prevent conception 40: 329.

tribal, of the Cherokee 19: 396 sq. 503.

tubes for, in Navaho ceremonial 8: 241, 244, 246, 250, 257, 258, 264.

use of pottery in, by American aborigines 20: 25.

use of the word 46: 486.

used in ball game 14: 136.

used to kill witch 32: 555.

war, Indian beliefs concerning 19: 393 sq., 501.

Zuñi dancers bathe with 23: 566.

Zuñi, grinding of 23: 553 sq.

Zuñi, making of 23: 555 sq.

Zuñi, method of using 23: 560.

Zuñi, utensils used in 23: 554.

See also Disease; Jugglery; Magic; Medicine-Men; etc.; Medicines; Priests; Remedies; Shamans; Sickness; Thaumaturgy.

Medicine Animals, reference to 29: 43.

Medicine-Arrow

ceremony 14: 1026.

pictographs of 10: 503.

Medicine Bags

- destruction of, during Shawano craze 14: 679.
- in Potawatomi myth 14: 208.
- of the Menomini 14: 75, 83 *sq.*, 261.
- of the Winnebago 14: 110.
- origin of 14: 114.
- reputed power of 14: 100, 102, 104, 111, 113, 156, 221, 262.
- use of 45: 193.
- use of, condemned by Kānakūk 14: 694.

Medicine Ball, use of, in ball game 42: 462.**Medicine Bowl**

- and aspergill, in Walpi Snake dance 19: 983.
- at Oraibi altar 16: 291, 292.
- at Tusayan altar 16: 279.
- carried in Oraibi Snake dance 16: 289.
- in Cipaulovi Snake dance 16: 284.
- in Oraibi Antelope dance 16: 292.
- in Tusayan ceremony 16: 282.
- of the Hopi 17: 681.
- of the Zuñi and Hopi 17: 655.
- use of 47: 280.

Medicine Ceremonies, time of 47: 529.**Medicine Cigarette**, Navaho, preparation of 8: 258.**Medicine Clan**, native name for 42: 115.**Medicine Cord**, Apache 9: 550-558.**Medicine Creek**, treaty of 7: 84; 18: 798.**Medicine Crow**, portrait made of 34: 28.**Medicine Cult**, prayers of 47: 782-835.**Medicine Dance**

- a religious society 37: 204.
- admission to 37: 360.
- description of 45: 387.
- duties of bands of 37: 360 *sqq.*
- five bands of 37: 359.
- Kiowa 17: 204.
- of the Cherokee 7: 337.
- paper on, by P. Radin 37: 318.
- purposes of 45: 186 *sq.*

Medicine Gods, Acoma supernaturals 47: 67.**Medicine Hat**, Apache 9: 502 *sq.* 580 *sq.***Medicine House**, ruins of 43: 8.**Medicine Lance**, Kiowa 17: 325.**Medicine Lodge**

- Mā'nābush's injunction regarding 14: 199.
- of the Kiowa 17: 242, 243.
- of the Kiowa, mode of building 17: 280.
- of the Menomini 14: 71, 255.
- of the Menomini, construction of 14: 70, 113, 136.
- of the Navaho, construction of 8: 237.
- orientation of 14: 71, 86, 90, 113, 156.
- treaty of 11: 957; 17: 181, 251, 320.

Medicine Lodge Creek, treaties of 18: 846.**Medicine Maker**

- office of 42: 620 *sq.*
- power of 42: 621.
- preparations of, for ball game 42: 462, 464, 465.
- selection of 42: 620.

Medicine Man

- and carrion crows, legend 30: 343 *sqq.*
- garden of 42: 444.
- of the Kiowa 17: 220.
- of the Yuma, treatment of the sick by 41: 88.
- on hunting party 42: 445.
- pictographs of 10: 463, 464, 466.
- power of 23: 414.
- signs for 1: 380.
- See also Doctor; Medicine Maker; Medicine Men; Piai; Priest; Prophet.*

Medicine Men

- account of 30: 327-353.
- apprenticeship of 30: 338 *sqq.*
- authority of 14: 111, 360.
- basket of 30: 329.
- belief in own powers of 30: 327.
- bench of 30: 192, 330.
- ceremonies performed by, for discovery of remedies 20: LIV *sq.*
- classes of 42: 367.
- costume of 47: 110, 113, 118.

Medicine Men—Continued

- definition of 4: 106, 107; 14: 980.
- disease cured by 30: 345-353.
- disposal of, when dead 9: 470.
- dreams interpreted by 30: 341 *sq.*
- duties of 30: 36, 37, 340-353.
- education of 42: 367.
- evil due to 30: 327 *sq.*
- feats of magic performed by 47: 122 *sq.*
- fees of 30: 327, 348, 351, 353.
- food of 9: 470.
- functions of 15: *cx*; 47: 124.
- house of 30: 334.
- influence of, over women 30: 353.
- insignia of 30: 327, 329-333.
- knowledge of 30: 338, 340, 343.
- Kwahadk, risks assumed by 26: 59.
- manner of becoming 9: 453 *sq.*
- marks of 30: 329.
- names of 30: 306, 327 *sq.*
- no organization of 9: 452.
- obligation of 47: 108.
- of the Apache, paper on 9: 433-603.
- of the Eskimo 9: 422 *sq.*
- of the Menomini 14: 66.
- of the Pima 26:
 - account of 256 *sqq.*
 - burial of 193, 254 *sq.*
 - communication of, with dead 253.
 - magic of 182, 184.
 - paraphernalia of 80, 106 *sq.*, 112, 195, 256, 302, 303.
 - preparation of warriors for war-path by 369 *sq.*, 373.
 - purification ceremony of 187.
 - risks assumed by 43, 48, 50, 52, 55, 262.
 - treatment of disease by 260-267.
 - under control of night 254.
- of the Tlingit 26:
 - account of 469 *sqq.*
 - burial of 430.
 - comparison of, with Haida medicine men 463 *sq.*, 465.
 - in war 450, 465.
 - land otters associated with 456.
 - masks of 452.
- offerings to 30: 327, 348, 351, 353.
- ordeals of 30: 338 *sqq.*
- origin of 30: 135, 336 *sqq.*
- penalty for failure of, to cure disease 9: 466 *sq.*
- position of, in Ghost dance 1: 916.

Medicine Men—Continued

- power of 47: 60, 110.
- powers claimed by 9: 454-459, 462, 470 *sq.*
- practice of, among Algonkian tribes 7: 151, 152, 154, 159.
- propitiation by 30: 329.
- respect for 30: 327, 328 *sq.*
- restrictions on 30: 328, 340.
- second sight of 47: 285.
- sex of 30: 334.
- spirits of 30: 266.
- status of 30: 327 *sqq.*
- succession of 30: 333.
- who may be 9: 451-457.
- See also* **Doctors; Dolls; Kickshaws; Magic; Medicine; and references; Priesthood; Priests; Rattles; Shamans; Theurgists.**
- Medicine Mixers**, duties of 42: 552.
- Medicine Rock**, Mandan 11: 508.
- Medicine Sack**, description of 46: 498.
- Medicine Societies**
 - activities of 47: 528 *sq.*
 - altars of 47: 279 *sq.*, 491.
 - ceremonies of 47: 265.
 - ceremony of joining 47: 109.
 - curing ceremony of 47: 531 *sq.*
 - discussion of 47: 264-268.
 - functions of 47: 52, 107, 264.
 - importance of 47: 125.
 - in retreat 47: 307.
 - initiation into 47: 529, 533 *sq.*
 - Laguna contribution to 47: 347.
 - method of securing members for 47: 111 *sq.*
 - names of 47: 107.
 - offerings made by 47: 529.
 - retreat observed by 47: 124, 301.
 - treatment by 47: 109 *sqq.*
 - See also* **Curing Societies; Medicine Society.**
- Medicine Society**
 - of the Menomini 14: 66, 138.
 - See also* **Medicine Societies; Mide-wiwin.**
- Medicine Song**
 - efficacy of 17: 276.
 - in Menomini ceremonial 14: 94.
- Medicine Spring Prairie, Okla.**, medicinal spring of 42: 669.
- Medicine Stick**
 - Kiowa, origin of 17: 302.
 - sprouting of 17: 302.

Medicine Stone

Casa Grande 28: 130.

employment of, to bring rain 13: 111.

Medicine-tied-to-Tipi-Pole. See Gunpā'ñdama.

Medicine Water

preparation of 23: 552 sq.

ritual of making of 47: 295.

source of 29: 44 sq.

spraying throat with 23: 520.

use of 47: 280.

use of, in Navaho ceremonial 8: 255, 263, 269.

Medicine Women

arrangement of, in Menomini ceremonial 14: 83.

of the Indians 9: 468 sq.

Medicines

and charms, Tlingit 26: 445-448.

buried under fire 42: 545.

ceremony of taking 42: 582.

classification of 37: 254.

collection of 42: 552.

composing the adiloga 42: 607.

for horse and dog 45: 513 sq.

for stomp dance 42: 557.

formulas used for 37: 265 sq.

Indian tribal 17: 242.

known to secret societies 27: 459, 522, 559, 560.

making of 42: 563.

most popular 42: 710 sq.

of the busk 42: 578, 607 sq.

of the Coweta 42: 65, 67.

of the Creek 42: 639-663.

of the Creek, origin of 42: 50.

of the Eskimo 18: 268, 432 sq.

of the strong snake 42: 658.

of the Tukabahchee 42: 65, 67, 509.

of the whites, Indian use of 46: 581.

or fetishes carried on journeys by Omahas 3: 276.

plants used as 2: 335; 45: 293 sq., 455-477.

precedence in taking 42: 558.

preparation of, for busk 42: 569.

religious significance of 42: 608.

specimens of, from Tesuke 2: 414.

specimens of, from Zuñi 2: 372.

stencil-earth, uses of 37: 259.

taken by fasters 42: 588.

Medicines—Continued

taken on hunting party 42: 445.

use of 37: 171 sqq., 263; 45: 197.

use of, in ceremony 42: 552 sq.

See also **Medicinal Plants; Medicine; Medicine Men; Palladia; Plants, curative; Taime; War Physic.**

Medidas 9: 572.

Medill, W.

on Catawba among East Cherokee 19: 165.

on East Cherokee censuses 19: 167.

Mediterranean Pottery

character of 20: 19.

symmetry of 20: 85.

Medium of Exchange, want of 38: § 819.

Medo Songs 4: 82 sqq.

Meek, —, on De Soto's route 19: 192, 193, 197, 198.

Meeker, Louis L.

material collected by 24: 180, 201, 364, 371, 391, 400, 416, 504, 505, 507, 530, 556, 638, 665, 681, 746, 750, 757, 759, 776.

on archery, Dakota 24: 391 sq.

on archery, Maricopa 24: 396.

on ball game, Maricopa 24: 681.

on bull-roarer, Oglala Dakota 24: 750.

on buzz, Oglala Dakota 24: 757.

on coasting, Oglala Dakota 24: 716.

on dice games, Cheyenne 24: 60.

on dice games, Oglala Dakota 24: 180.

on double ball, Maricopa 24: 665.

on foot race, Maricopa 24: 809.

on hair ornament, Cheyenne 24: 429 sq.

on hair ornament, Oglala Dakota 24: 429 sq.

on hand and foot ball, Cheyenne 24: 706.

on hand and foot ball, Winnebago 24: 708.

on hidden ball, Dakota 24: 364 sq.

on hidden ball, Maricopa 24: 371.

on hoop and pole, Cheyenne 24: 445 sq.

on hoop and pole, Oglala Dakota 24: 434 sq., 504, 505, 507.

- Meeker, Louis L.**—Continued
 on popguns, Oglala Dakota 24: 759.
 on ring and pin, Cheyenne 24: 530 sq.
 on ring and pin, Oglala Dakota 24: 529, 556.
 on shinny, Oglala Dakota 24: 638.
 on snow-snake, Cheyenne 24: 400.
 on snow-snake, Oglala Dakota 24: 416.
 on stick game, Piegan 24: 231.
 on tops, Cheyenne 24: 734.
 on tops, Oglala Dakota 24: 746.
- Meeseequaguilch.** *See* Dwamish.
- Meeting Ceremony** 45: 390.
- Meetings, Secret** 35: 1212.
- Meewocs.** *See* Miwok.
- Megalithic House**, naming of 41: 82.
- Megaque**, last battle of 10: 560 sq.
- Megillis Hadjo**
 beliefs concerning 42: 615.
 medical beliefs of 42: 644.
 prophet of Tukabahchee 42: 615.
 weather controlled by 42: 629 sq.
- Meherrin**
 habitat and migrations of 19: 17.
 joined by the Tutelo 7: 114.
- Meibomia**, species of, used medicinally 42: 663.
- Meigs, —**, survey directed by 18: 671.
- Meigs, J. A.** 46: 232, 332, 333, 352.
- Meigs, Gen. Return J.**
 aid given to missionary work by 19: 84.
 commissioner for survey of Cherokee boundary 5: 181 sqq., 187, 188, 189, 190, 191, 192, 194, 196, 200, 201, 204, 210, 211, 218–231, 232, 374.
 death of 5: 236.
 delegation brought to Washington by (1898) 19: 106.
 instructions to, to cause removal of Cherokee to the West 19: 101.
 life of 19: 214 sq.
 on Cherokee attitude in war of 1812 19: 89.
 on Cherokee services in Creek war 19: 97.
 on secret article of treaty of 1897 19: 86.
- Meigs, Gen. Return J.**—Continued
 recommendations for Cherokee citizenship by 19: 114.
 relations of, to the Cherokee 5: 231, 232.
 treaties brought about by 19: 84 sq.
- Meil, J. W.**, killed at Wounded Knee 14: 872.
- Meipontsky**, a Monakan division 15: 164.
- Melancholia**, among the Pima 26: 268.
- Melanesia**
 a probable source of migration to America 3: 147 sqq.
 carvings of, similar to those in America 3: 147.
 head preserving in 3: 94.
 masks of 3: 148.
- Melarejo, Captain —**, on slavery in Porto Rico 25: 23.
- Melatolik** 46: 198.
- Melaz, Juan** 14: 560.
- Melbourne, Fla.**, investigations near 43: 14 sq.
- Me-le**, the Seminole 5: 489, 490.
- Melette, Okla.**, old busk ground near 42: 218.
- Melgosa, Pablo de**
 adventure of, at Tiguex 14: 496.
 companion of Coronado 14: 477.
 exploration of Colorado River canyons by 14: 489.
 wounding of, at Cibola 14: 557.
- Melia Azederach** 33: 98.
- Meliaceae** 33: 98.
- Mëli'léma**, a Tenino synonym 14: 742.
- Melilotus Alba** 33: 91.
- Melilotus Officinalis** 33: 91.
- Meline, Jas. F.**
 on San Cristobal 29: 486.
 on San Marcos 29: 552.
 on Sandia 17: 584; 29: 527.
- Mell, P. H.**, on wild rice in Alabama 19: 1028.
- Mellen, —**, quoted on Barnstable's Indian policy 18: 605.
- Melody**, development of 19: LXXI.
- Melons**
 as food among Omahas 3: 306.
 native American 14: 516.

Melons—Continued

- Pima, article of trade 26: 94.
 Pima, magic growth of 26: 258.
 Pima, production of 26: 91
 stories of, kept by Indians 14: 584.
See also Cantaloupe; Watermelon.

Melozey Creek, Little, mammoth remains in 46: 48.

Melville Peninsula crania 46: 288.

Membership of gens among Omaha 3: 225.

Membreno, Alberto

- on the Honduras Chorti number names 19: 863.
 on Moreno and Sumo numerals 19: 914.
 on Similaton numerals 19: 916.
 on Sumo, Paya, Jicaque, and Guajaquiro numerals 19: 915.

Mementos among northern Indians 11: 274.

Memmadgeen, a Wawenock chief 43: 174.

Memorial Images of the Eskimo 18: 317 sqq.

Memorizing 33: 312, 313, 316, 328.

Memory, impairment of 30: 276.

Memotway's Band

- cession of reserve by 18: 762.
 reservation for 18: 742.

Memphis

- surrender of Spanish post at 19: 81.
 trails from 42: 816, 821.

Memphis-Bolivar-Pontotoc Trail 42: 821.

Memphis-Pontotoc and Mobile Bay Trail 42: 816-821.

Men

- making of pipes by, Iroquoian province 20: 163.
 Maya day symbol, discussion of 16: 250.
 Seri, duties of 17: 273* sq.
See also Man.

Men of Mystery

- personal names of 43: 157-160.
 symbolic hair cut of 43: 92.
See also Non'-hoⁿ-zhiⁿ-ga.

Men of Mystery Gens

- mention of 36: 133.
See also Ni'-ka Wa-koⁿ-da-gi.

Menard, Dr. John, on Navaho burial 1: 123.

Menard, L., acknowledgment to 14: 655.

Menchero, map by, reference to 22, i: 19.

Mended Pueblo Pottery 4: 286.

Mendewahkantoan, habitat of 7: 111.

Mendez, Martin, *See* Porter Johnson Episode.

Mendieta, Gerónimo de

- on Indian divination with corn 9: 533.
 on Indian idols of flour or seeds 9: 526.
 on Indian medicine-women 9: 469.
 on work of friars in New Mexico 14: 401.

Mending of Baskets

- mention of 41: 147, 179, 196 sq.
 terms used for 41: 397.

Mendocino's Reserve

- discontinuance of 18: 850.
 establishment of 18: 816.

Mendoça, Antonio de

- on Sia 29: 517.

See also Mendoza, Antonio de.

Mendota, Minn., pictograph at 4: 189.

Mendota, Va., trail passing near 42: 759.

Mendoza, —

- Codex, numbers from 19: 939, 945 sqq.
 on location of Totonteac 19: 599.

Mendoza, Antonio de

- address to soldiers by 14: 478.
 agreement of, with Alvarado 14: 409.
 appointment of Coronado by 14: 474.
 Cabeza de Vaca entertained by 14: 348.
 complaints of, regarding arms 14: 540.
 death of 14: 470.
 disappointment of, on Coronado's return 14: 401.
 effect of administration of 14: 350.
 endeavors of, to prevent Cortes' expeditions 14: 369.
 family of 14: 376.
 friendship of, for Coronado 14: 476.

Mendoza, Antonio de—Continued
 illness of 14: 551.
 importation of cattle by 14: 375.
 instructions from, for Niza 14: 354.
 instructions of, to avoid trouble with Indians 14: 496.
 interference with navigation by 14: 370.
 investigation ordered by 14: 596.
 Niza's report to 13: 326.
 petitions by, for right of conquest 14: 368.
 plans of, for exploring expedition 14: 352.
 right of, to explore, confirmed 14: 373.
 report of, on Niza's discoveries 14: 363.
 unsuccessful expedition of, under Dorantes 14: 349.
Mendoza, Diego Hurtado de, explorations by 17: 51.
Mendoza, Juan Antonio de
 attacks on Seri by 17: 75.
 on Seri neglect of dead 17: 287*.
Mendoza, Juan Dominguez, on Jemez 29: 402.
Mendoza Codex
 corn symbol in 16: 227.
 mat symbol in 16: 246.
Menendez
 establishment of fort by 19: 27.
 on Pardo's expedition 19: 28, 29.
Menguarez, Dolorita, reference to 29: 167.
Menispermaceae 33: 83.
Menispermum Canadense 33: 83.
Menominee, Menomini
 amounts of wild rice harvested by 19: 1075 *sqq.*
 culture hero of the 40: 375.
 cure wild rice 19: 1066.
 data on scalp and war dances of 40: 547.
 dependence of, on wild rice 19: 1047 *sq.*
 early description of 19: 1107.
 eating wild rice 19: 1083, 1085.
 fasting among the 40: 546.
 first historic mention of 19: 1047.
 games of the 24:
 dice games 73 *sq.*

95719°—33—42

Menominee, Menomini—Contd.
 games of the 24—continued
 double ball 653.
 hidden ball 343 *sq.*
 racket 567 *sq.*
 shinny 617, 622.
 snow-snake 404 *sq.*
 grave posts of the 10: 521 *sq.*
 habitat of the 28: 290.
 influence of wild rice on tribal organization of 19: 1090–1093.
 investigation of the 14: xxxiii.
 land cessions and reservations 18: 710 *sqq.*, 716 *sqq.*, 726–730, 742 *sqq.*, 760, 780, 792, 816.
 linguistic investigation among 28: 225.
 mealtime of the 19: 1087.
 meaning of tribal name 19: 1048.
 memoir on the 14: L, 3–328; 15: Lxxx.
 music, work on, by Miss Densmore 47: 8 *sq.*
 myths of the 10: 481.
 population of the 7: 49; 19: 1049, 1108, 1109, 1110.
 preparation of paper on 45: 11.
 property right in wild rice 19: 1073.
 researches among the 16: LII.
 standard of life of 19: 1079.
 studies of the 13: xxxi, xxxix; 15: xxiii, xxvi, xxxi, xxxvi, xl, xlv, lxxxiii.
 territory occupied by the 37: 77.
 thrashing of wild rice by 19: 1068, 1069.
 tie wild rice 19: 1058.
 time of year when they consume wild rice 19: 1087.
 vocabulary of the, recorded 15: Lxxxv.
 wild rice gathered by 19: 1062, 1063.
 wild rice thrashing stick 19: 1068.
 winnowing wild rice by the 19: 1071.
 work among the 43: 10 *sq.*
Menomini(ee) Language
 certain forms of 28: 239.
 consonantic clusters in 28: 283.
 description of 28: 249–252.
 examples in comparison with 28: Abnaki 239, 283, 284.

Menomini(ee) Language—Contd.

examples in comparison with 28—
continued

- Algonkin 243, 244, 245, 259, 261, 262, 265, 267, 271, 273.
 Cree 238, 239, 243, 244, 245, 259, 261, 267, 268, 269, 271, 279, 284, 286.
 Cree-Montagnais 259, 261, 262, 273, 277, 278, 279, 286.
 Delaware 239, 243, 244, 257, 260 sq., 267, 270, 273, 279.
 Eastern Algonkin 257, 270.
 Fox 239, 243, 244, 257, 259, 261, 262, 267, 270, 271, 272, 273, 277, 278, 279, 283, 284.
 Kickapoo 259, 267, 272.
 Micmac 273.
 Minsi 239.
 Montagnais 259, 261, 267, 279, 286.
 Moose Cree 262.
 Natick 239, 243, 244, 265, 268, 273.
 Ojibwa 238, 239, 243, 244, 245, 257, 259, 261, 262, 267, 268, 269, 270, 271, 272, 279, 283, 284.
 Ottawa 245, 259, 261, 262, 265, 267.
 Passamaquoddy 239, 243, 267, 283, 284, 286.
 Penobscot 238 sq., 267, 283, 284.
 Peoria 239, 244, 257, 259, 261, 262, 265, 267, 270, 271, 272, 273, 279, 283, 284.
 Potawatomi 259, 262, 265.
 Sauk 259, 267, 272.
 Shawnee 239, 243, 244, 245, 257, 259, 261, 262, 267, 270, 272, 273, 279, 283, 284.
 Stockbridge 290.
 Turtle Mountain (Ojibwa dialect) 239.
 independent mode in 28: 231, 259, 265, 268.
 indicative mode in 28: 273.
 noun endings in 28: 272.
 pronunciation of 28: 227.
 relationship of 28: 231, 238, 244, 289.
 subjunctive mode in 28: 246, 269.
 suppositive mode in 28: 273.

Menomini River

- Menomini name of 14: 39.
 wild rice in 19: 1033.

Menomini(ee)'s Band, reservation for 18: 740.

Menoquet's Band

- cession of reserve for 18: 762, 764.
 reservation for 18: 742.

Menstruation

- action of Zuñi women during 23: 303.
 among the Kwakiutl 35: 521, 647.
 among the Pima 26: 183.
 beliefs concerning, Creek 42: 651.
 beliefs regarding effect of 35: 608, 719, 733, 747.
 customs concerning, Chickasaw 44: 220.
 customs concerning, Creek 42: 356.
 customs concerning, Isleta 47: 242.
 customs concerning, Flathead 45: 382.
 customs concerning, Okanagon 45: 288.
 hut for women during 30: 250, 311 sqq.
 in Cherokee myth and belief 19: 319 sq., 469.
 inducing of 30: 52.
 influence of 35: 1173.
 irregularity in, remedies used for 42: 660, 662.
 mythic origin of 14: 173.
 ordeals at 30: 308 sq., 310 sq.
 restrictions at time of 30: 199 sq., 241, 250, 311 sqq.
 spirit amateness at time of 30: 241, 248 sq.
See also Catamenial Customs; Puberty.

Mental Disorder, gestures in 1: 276.

Mentality, Western Eskimo 46: 83, 92, 94, 107, 134, 213–228, 240, 250.

Mentasta Pass, Indians 46: 124.

Mentha Canadensis 33: 112; 45: 475, 502, 503, 507.

Menthaceae 33: 111.

Mentuig, *Father Juan*

reference to 28: 56.

See also Rudo Ensayo.

Mentzelia Laevicaulis 45: 474.

Menunkatuck's Squaw, reference to 18: 613.

Menzies, —, acknowledgment to 34: 66.

Mercator, G., map by, cited 14: 403.

- Mercer, H. C.**
 examination of quarry shops by 15: 52.
 jasper quarries discovered by 15: 89, 140.
- Mercer, Henry C.**, material collected by 24: 541.
- Mercer, W. A.**, assigned as officer in charge at Indian Congress at Omaha 20: xvi.
- Merchandising**, element of 20: XLVI sq.
- Meredith, —**
 on adoption of Cherokee constitution 19: 113.
 on John Ross 19: 114, 224.
- Meredith Place**, flint on 44: 509.
- Meriño, Archbishop —**, archeological collection of 25: 17 sq.
- Meriño Collection**, mention of 34: 227.
- Meriwether, D.**
 on Cochiti 29: 439.
 on Pojoaque 29: 334.
 on Sandia 29: 527.
 on Sia 29: 518.
- Mermaid**, legends concerning 30: 251.
- Merostachys sp.**, for basketry 38: § 100.
- Merrell, Henry**, on popular synonym for wild rice 19: 1023.
- Merriam, Dr. C. Hart**
 assistance rendered by 47: 4.
 collection of 24: 139.
 material collected by 24: 139, 143, 596.
 on dice games, Miwok 24: 143.
 on dice games, Wikitchamne 24: 139 sq.
 on racket, Miwok 24: 596 sq.
 petroglyph photographed by 10: 61.
- Merriam, Col. Henry C.**
 description of petroglyph by 10: 122 sq.
 discovery of petroglyph by 4: 26.
 operation of, against Big Foot 14: 865.
 troops under, in Sioux outbreak 14: 850.
- Merrick, J. L.**, cited on Mohammedanism 14: 932.
- Merrill, G. P.**, reference to 44: 370.
- Merritt, J. K.**
 cited 6: 14, 16, 49.
 exploration of Bugaba cemetery by 6: 17, 18, 20.
- Merriwether, —**
 report on boundaries by 18: 789.
 treaty concluded by 18: 849.
- Merriwether, Gen. David**
 commissioner for Cherokee treaty 5: 209, 212, 216, 235.
 treaty signed by 19: 103.
- Merriwether, James**, commissioner to extinguish Indian title in Georgia 5: 233, 235.
- Mesa**, Spanish soldier cured by quince juice 14: 538.
- Mesa, Ariz.**
 railroad extended to 26: 64.
 references to 28: 51, 55.
 ruins near 28: 114, 116, 218.
- Mesa Encantada**, exploration of 19: XIII.
- Mesa Verde, Colo.**
 antiquities of 28: 17.
 cliff ruins of 16: 81.
 collection from 41: 116.
 cremation practiced at 28: 117.
 lodge-houses of 28: 194.
 pottery of 28: 139.
 work done on 41: 27-31.
- Mesa Verde National Park, Colo.**
 establishment of 27: 10.
 mention of 30: 20, 22.
 researches in 41: 4 sqq.
 work in 29: 16 sq., 20; 37: 4 sqq.
- Mesa Verde Region, Colo.**
 ruins of 27: 10.
 ruins of, types of 39: 12.
- Mesakkummikokwi** in Potawatomi myth 14: 209.
- Mescal**
 gathering and preparation of 26: 70.
 in Pima mythology 26: 240, 249.
 in Verde Valley caves 17: 550.
 studies in use of 18: xxviii.
See also Peyote.
- Mescal Apache**, Tewa name for 29: 575.
- Mescal Ceremony**, study of 15: xxxviii.
- Mescal Pits**, description of 28: 116.
- Mescal Rite**, introduction of, among the Caddo 14: 904.

Mescalero Apache

absence of Ghost dance among 14: 805.

among Kiowa Apache 17: 246 sq.

Kiowa treaty with the 17: 165.

land cessions and reservations 18: 862 sqq., 870, 882, 906, 910, 922.

names for the 29: 574 sq.

population of the 7: 56.

study of language of 19: xxvi.

work among the 19: xvi.

See also Apache, Mescalero.

Mescali, native American liquor 14: 516.

Mescaltitan, Rancherias de, Anza expedition at 44: 47.

Mesh Sticks of the Eskimo 9: 312-315.

Me'she

younger brother of Bow Priest 23: 20.

Zuñi assistant 30: 37.

Meshik 46: 189.

Meshingomesia's Band

partition of reserve for 18: 748.

reservation for 18: 774.

Meshkemau's Village

cession of reserve at 18: 748.

reservation at 18: 674.

Meshon, a Mitau synonym 14: 734.

Mesita, a Laguna stopping place 47: 349.

Meskeman. *See Meshkemau.*

Meskwakie, a synonym of Fox 40: 501.

Mesquabuch's Band

cession of reserve by 18: 756.

reservation for 18: 740.

Mesquite

among the Pima 26:

article of trade 94.

beans of 66, 245.

dye from 125 sq.

food plant 68, 74 sq.

gum from 159.

leaves of 85.

medicinal plant 79.

native American fruit 14: 515.

occurrence of, in Seriland 17: 32.

Seri consumption of beans of 17: 207.

Seri use of fiber of, in making rope 17: 228* sq.

Message Sticks 10: 369 sqq.

Messages

by pictographs 4: 160-164.

Eskimo manner of delivering 18: 286.

Messenger

another name of Biāñk'i 14: 909.

of chief 35: 1051.

Messenger, Cherokee. *See Cherokee Messenger.*

Messengers, Kwakiutl 35: 427, 751, 753, 974.

Messiah

craze, among the Menomini 14: 63.

craze, reference to the 11: 544.

craze, responsibility of, for Sioux outbreak 14: 828, 831.

idea of, among various peoples 14: 658.

Indian interview with 13: xxxii.

See also Ghost Dance; Wovoka.

Messiter, Charles Alston, on hand game 24: 316, 317.

Messmer Garden Beds, location of 37: 99.

Metabolism, pleasures of 19: LIX sq.

Metal

a life symbol 36: 133.

Cherokee use of implements of, in pottery making 20: 56.

early introduction of vessel of, in eastern United States 20: 82, 173.

not found at Honaki 17: 571.

not found at Sikyatki 17: 649, 741.

not used in primitive trephining 16: 59, 60, 65.

occurrence of articles of, in Florida mounds 20: 120.

objects, from Tennessee 3: 446.

objects, in collection 3: 585.

objects, in old sites and burials 46: 173, 230, 363.

ornaments, Eskimo 18: 56.

tablets among the Creeks 17: 242.

taboo of, in Ghost dance 14: 798.

thimbles, Eskimo 18: 109.

work, chest ornament 38: § 751.

work, Guiana Indian 38: § 85, 86.

work, necklace 38: § 536.

Metal-pointed Arrow, Eskimo 18: 157, 159.

Metal Wi'-gi-e 36: 90 sq.

- Metallic Stage** of technic, definition of 17: 253*.
- Metamorphosis**
 absence of belief in 27: 589.
 Indian belief in 11: 493.
 occurrence of 30: 149, 150 sq., 182, 184 sq., 199, 257.
 power of, claimed by Indian medicine-men 9: 458 sq.
- Metaphor**
 development of 19: LXXVII-XCI.
 mention of 33: 322-325, 326, 328.
- Metaphysics**
 definition of 20: CLXXXV.
 nature and origin of 20: CXCII.
- Metate**
 appearance of, in Corn festival 21: 93, 94.
 appearance of, in Hopi festivals 21: 44, 94.
 development of 20: xv.
 from Pueblo ruin, cut showing 22, i: 184.
 going out of use 47: 212.
 used as roof drain 8: 154, 155.
- Metates**
 burial of, with women and girls 22, i: 103 sq.
 Casa Grande 28: 126, 128.
 collection of 3: 521.
 found in Awatobi 17: 625, 626.
 found in Honanki 17: 571.
 found in House of Mysteries 41: 572.
 found in Sikyatki graves 17: 731.
 found near graves 41: 546.
 in cavate lodges 13: 223.
 mention of 22, i: 160.
 of Chiriqui, nature and use of 6: 25 sqq.
 or grinding stones, how arranged in Pueblo houses 8: 109, 110, 210, 211.
 rites connected with 41: 536 sq.
 stone, from Tesuke 2: 410.
 stone, from Wolpi 2: 376.
 stone, from Zuñi 2: 340.
 wooden, remains of 41: 535.
See also Metate; Mortars.
- Metcalf, J. N.**, inclosure on land of, New York 12: 509.
- Metempsychosis**
 absence of belief in 27: 589.
 Indian belief in 11: 484.
- Metempsychosis—Continued**
See also Souls; Transmigration of Souls.
- Meteor**, a man-being in Iroquoian cosmology 21: 174.
- Meteoric Display**, Kiowa record of 17: 260.
- Meteorology** in Tewa conception 29: 53 sq.
- Meteors**
 beliefs concerning 42: 478.
 Cherokee name for 19: 442.
 in Menomini myth 14: 210.
 observed by the Pima 26: 38, 47.
 pictographs of 10: 722 sqq.
 recorded 4: 111, 136 sq., 138 sq.
See also Star.
- Meteowwee**, a Mitau synonym 14: 734.
- Metham, Pren**, flint quarries on land of 12: 457.
- Metham Place**, flint on 44: 508 sq.
- Methodical Signs** of deaf-mutes 1: 362.
- Methodist Missionary Society**, purchase of land from 18: 810.
- Methodists**
 account of 14: 939.
 work of, among the East Cherokee 19: 166.
- Methods of Research** 25: 19 sqq., 26.
- Methow**
 a Mitau synonym 14: 734.
 land cessions and reservations 18: 856, 858.
- Metosinia's Band**
 reservation for 18: 774.
See also Meshingomesia's Band.
- Mettamicont, Richard**, sale of land by 18: 595.
- Metz, C. L.**, on burial mounds 5: 49.
- Meuse, James**
 material collected by 24: 78.
 on dice games, Micmac 24: 79.
- Mexican**
 and Hopi ceremonies, comparison of 15: 259.
 antiquities, publication on 27: 9.
 calendar 3: 32.
 calendar and numerical systems 21: xxxi.
 characters, absence of, in pottery of Hopewell mounds 20: 194.

Mexican—Continued

- characters, connected with signs 1: 357, 375, 377, 380, 382.
- characters, suggestions of, in Gulf Coast pottery 20: 113.
- codices, relative excellence of Hopi pictures and 21: 15.
- codices, suggestion from, in studying symbolism 21: 13.
- days, list of 3: 32 *sqq.*
- influence on place names 29: 97.
- labrets 3: 85.
- manuscripts, Maya and 3: 1-65.
- maquahuill*, description of 13: 144.
- masks 3: 104.
- pictographs 4: 38, 169.
- pottery head 4: 409, 411.
- sorcerers 14: 138, 150 *sq.*
- stone-chipping 13: 139, 142.
- symbols of the cardinal points 3: 47.
- Tewa name for 29: 575.
- tribes, classification of 21: xxiii, xxiv.
- See also* Maya; Mexicans; etc.
- Mexican and Central American**
 - archeological section 12: 523.
 - pictorial writing 10: 665.
- Mexican and Mayan Antiquities**,
 - history and calendar systems of 24: xxxii.
- Mexican Antiquities** by Lord Kingsborough, cited 6: 266, 267.
- Mexican Archives**, reference to 28: 16.
- Mexican Boundary Survey**, reference to 28: 66.
- Mexican Emperor Ahuitzotzin**, pictograph for 10: 134 *sq.*
- Mexican Government**, work on Cempoalan ruins by 25: 234.
- Mexican Language**, Kinai bears analogies to the 7: 86.
- Mexican National Museum**, collection of Mexican pottery in 20: 20.
- Mexican Tribes**
 - language of, study of 22, i: xxxi *sq.*
 - See also* Mexicans; Mexico.
- Mexican Words**, superstitions regarding use of 23: 111.
- Mexican Years** and days in calendar order 19: 936 *sqq.*

Mexicans

- conventional pictograph of 10: 656.
- customs of, pictographically illustrated 10: 542-547.
- disliked by Tewa 29: 97.
- games of the 24: 794.
- hieroglyphic records of 10: 567.
- how regarded by the Zuñi 13: 338.
- ideographic illustration of smallpox by 10: 589.
- ideographic illustration of snow by 10: 606.
- in fight with Tewa 29: 258.
- Isleta borrowings from 47: 347.
- Isleta contact with 47: 205.
- Kiowa capture of 17: 173.
- Kiowa fights with 17: 269, 271.
- Kiowa name for 17: 269.
- Kiowa raids on settlements of 17: 164, 165.
- Kiowa war parties against 17: 281, 302.
- method of preparing accounts by 10: 264.
- military insignia of 10: 431 *sq.*
- mythic figure of (Ahuitzotl) 10: 488.
- not mound builders 12: 18.
- personal names of 10: 460.
- stealing of Sun-boy's horses by 17: 340.
- superstition of 10: 500.
- symbolic colors for cardinal points of 10: 625.
- symbolic colors in the codices of 10: 636.
- symbols of 10: 613 *sq.*, 644.
- trade of, with Pima 26: 97.
- treatment of snakebites by 26: 264.
- Zuñi explanation of the presence of 23: 29.
- Mexico, Gaspar de**, native ally of Coronado 14: 536.
- Mexico**
 - absence of characteristic decorative designs of, Middle Mississippi Valley pottery 20: 86.
 - alleged Cherokee agreement with 19: 144 *sq.*
 - ancient ball game of 25: 84.
 - ancient inhabitants of 28: 33, 57, 59, 152.

Mexico—Continued

- and Central America, linguistic data on 24: XVIII, XXXII.
 animal figures on knife handles of 46: 174.
 Aztec inscription from 10: 133 sq.
 bulletin on languages of 30: 19.
 character of pottery of 20: 20.
 Cherokee in 19: 146.
 classification of languages of 23: XXXIV.
 coiled pottery from 4: 277.
 collection from 19: XXXIX; 20: XXIV.
 copper bells from 28: 148.
 eastern, antiquities of 28: 13.
 eastern, archeological reconnaissance in 25: XXIII sq.
 eastern, researches in 27: 8.
 evidence that stamp decoration is not derived from 20: 122, 123.
 Fewkes's explorations in 26: XIV sq.
 field work in 18: XXIX; 22, i: IX, XI sq.
 figurines resembling those of, South Appalachian group 20: 41.
 functional scope of pottery of 20: 24.
 grant to Cherokee by 19: 143.
 hieroglyphic records of, work on 22, i: XXXVI.
 Kiowa raids into 17: 173, 276, 282, 293, 300, 306, 337.
 linguistic families of 30: 23.
 linguistic work in 8: xx, XXI.
 memoir on numeral systems of 19: XLIV sq.
 mention of 42: 40.
 migration from the north 28: 153.
 migration of art features from 20: 81.
 mound builders in Gulf States 25: 231.
 need of investigation in 41: 105.
 northern, architecture of 28: 155.
 office work on material from 20: XXII.
 papers on ancient writings of 23: XXXVIII.
 petroglyphs in 10: 131-136.
 possible borrowing, Mississippi Valley color decoration from peoples of 20: 52.

Mexico—Continued

- possible influence of distance from, on pottery 20: 145.
 pottery of 28: 137.
 probable contact of northern peoples with nation of 20: 42.
 proposed Cherokee emigration to 19: 155 sq.
 range of form of pottery of 20: 85.
 resemblance of Lower Mississippi Valley pottery to that of 20: 102, 104.
 ruined buildings of 25: XIII.
 serpent images of 28: 122.
 slavery in 25: 25.
 southern, pottery of 28: 156.
 stone yokes and collars of 25: 167.
 terracotta head from, resembling death's-head vases of Middle Mississippi Valley group 20: 98.
 use of earthenware whistles and rattles in 20: 35.
 work in 19: XVI, XVII.
See also Aztec; Chihuahua; Maya; Sierra Madre.
- Mexico City**
 in 1556 14: 363, 375.
 trail to 42: 823, 829.
- Mexico, Gulf of.** *See* Gulf.
- Mey, C. J.,** settlement by 18: 576.
- Meyer, Dr. A. B.,** acknowledgment to 26: XII.
- Meyer, J.** 46: 49.
- Mezo, William S.,** killed at Wounded Knee 14: 872.
- Meztitlan,** day symbol of the 16: 252.
- Miami**
 games of the 24:
 hidden ball 344.
 racket 563, 569.
 stick games 231.
 tossed ball 708.
 land cessions and reservations 18:
 654 sqq., 662 sqq., 668, 676 sqq.;
 692 sqq., 716, 752, 772-776, 794,
 856, 862, 906.
 linguistic manuscript on 30: 24.
 opposition of, to Tecumtha 14: 684.
 population of the 7: 49; 19: 1108, 1109, 1110.
 stone wrist-guards of 13: 117.
 study of the 30: 19, 21.

- Miami**—Continued
 territory occupied by the 37: 77.
 work among the 17: LIII.
- Miami (Eel River Band)**, land cessions and reservations 18: 654 sqq., 662 sqq., 668, 676 sqq., 720.
- Miami Bay**, treaty of 18: 734.
- Miami-French Dictionary**
 copy of 37: 26.
 work on 32: 29.
- Miami Language**, relation of, to Peoria 28: 270.
- Miami-Peoria Dictionary**, translation of part of 36: 28.
- Miami River**
 Seminole settlement 5: 477, 478.
 treaties of 18: 650, 684, 688.
- Miami River Ottawa**, treaty with 18: 748.
- Miami Valley**
 mound burial in 1: 120.
 pottery 20: 184 sqq.
 pottery, probable gradation of East Tennessee pottery into 20: 182.
- Miantonomi**, sale of land by 18: 620 sqq.
- Miantonomoh**, allied to Nehantic 43: 217.
- Mica**
 deposit of 29: 158.
 Eskimo ornaments made of 18: 54.
 plates, finding of, in Pueblo ruins 22, i: 111.
 plates, frauds 4: 247.
 Tewa name for 29: 581 sq.
 use of, as tempering material 20: eastern United States pottery 48.
 Middle Mississippi Valley pottery 84.
 Gulf Coast pottery 111.
 South Appalachian pottery 138.
 use of, in inlaying, eastern United States pottery 20: 52.
 use of, in utensil making 15: 105.
See also Materials; Selenite.
- Micajah or Big Harpe**, reference to 42: 805.
- Mice Comrade's Dance**, description of 46: 564.
- Micer Pogio**, reference to 14: 571.
- Michabo**, story of 42: 709.
- Michaëlius**, on Algonkin sign 1: 324.
- Michaux**, —, on scientific synonym for wild rice 19: 1029.
- Michaux, R. V.**, exploration of mound on farm of 1: 12.
- Michelson, Dr. Truman**
 acknowledgment to 41: 494; 48: 29 sq.
 appointment of 31: 17.
 contributor to Bureau 48: 1189.
 ethnologic research by 32: 20.
 memoir by 28: 22, 221.
 mention of 32: 9.
 papers by 34: 25; 42: 16; 43: 15; 44: 16.
 reference to 43: 206, 210, 215, 216, 222, 281.
 studies among Sauk and Fox of 38: p. 9.
 systematic research of 33: 24.
 work of 31: 17; 34: 15 sqq.; 35: 22 sq.; 36: 17 sq.; 37: 16 sq.; 38: p. 9 sqq.; 39: 18 sqq.; 40: 9 sq.; 41: 11 sq., 27, 34 sq., 57 sq., 83 sq., 106 sq.; 42: 7; 43: 6 sq.; 44: 4 sq.; 45: 2 sq.; 46: 3 sq.; 47: 2 sq.; 48: 6 sq.
- Michigamia** land cessions and reservations 18: 664, 692, 742.
- Michigan**
 ancient copper mines in 14: xxxv.
 character of pottery of 20: 22.
 early tribes of 30: 20.
 explorations in 11: xxvi; 12: 516–519.
 pottery of 20: 188, 191 sq., 193.
 work in 9: xxvi.
- Michigan Historical Society**, Pontiac manuscript deposited with 14: 663.
- Michilimackinac or Michillimackinac**
 cession of land at 18: 656.
 siege of 14: 18.
 treaty of 18: 700.
- Michoacan**
 journey of Mendoza across 14: 478.
 or Tarascan number names 19: 874.
 province in New Spain 14: 473.
- Michopda** land cessions and reservations 18: 784.
- Mickkesawbe**, reservation at 18: 704.
- Micksucksealton**, a Kutenai band 14: 731.
- Miclantecutli** 1: 229, 232.

Micmac Indians

- birch-bark pictographs by 10: 201.
- catechism of 10: 667 *sq.*
- games of the 24:
 - dice games 74-80, 97.
 - European games 792.
 - football 698.
 - quoits 722.
 - ring and pin 528.
- hieroglyphics of the 10: 666-671.
- insignia dress and marks of 10: 424-429.
- linguistic investigations among 28: 225.
- Lord's Prayer, as written by 10: 669.
- medicine lodges of 10: 509 *sq.*
- mourning colors of 10: 629.
- notice of direction by 10: 341.
- pictographs of fishing by 10: 530 *sq.*
- pictography of the 14: xxxii.
- population of the 7: 49.
- reference to 28: 290.
- rock scratchings of, imitated 10: 218.
- tribal emblems of 10: 379.
- various printed words of 10: 670.
- western Newfoundland colonized by 7: 58.
- work on pictographs of 10: xii.

Micmac Language

- conjunctive mode in 28: 245, 260, 269, 272, 279.
- description of 28: 280, 281, 283 *sq.*, 287 *sq.*
- examples in comparison with 28:
 - Abnaki 238.
 - Algonkin 272, 273.
 - Central Algonquian 249.
 - Delaware 238, 245, 273, 279,
 - Fox 238, 245, 249, 256, 260, 272, 273, 279, 283.
 - Menominee 273.
 - Natick 238, 269, 273, 279.
 - Ojibwa 238, 256, 269, 273.
 - Ottawa 273.
 - Peoria 238, 245, 256, 260, 272, 279.
 - Potawatomi 273.
 - Shawnee 238, 256, 272, 279.
 - Stockbridge 238.
- indicative mode in 28: 269, 289.
- pronunciation of 28: 228.
- relationships of 28: 289.

Micmac Language—Continued

- subjunctive mode in 28: 245, 269.
- suppositive mode in 28: 273.
- Micoñinovi, Snake ceremony at 16: 273.
- Micrampelis Lobata 33: 129.
- Midawan, a ceremony of initiation 1: 122.
- Mid-day Songs 39: 318-321.
- Middens
 - Argyle 34: 92.
 - Guiana Indian 38: § 773.
 - Oberland 34: 92.
 - of Barbadoes 34: 81 *sq.*
 - of St. Kitts 34: 159.
 - of St. Vincent 34: 91 *sq.*
 - Salt River 34: 167.
 - See also* Mounds; Shell Heaps.
- Middle Atlantic Province
 - extent of 20: 147.
 - occurrence of pottery resembling that of, in South Appalachian province 20: 133, 137, 144.
 - pottery of 20: 145, 158.
 - relationship of pottery of 20:
 - to Maine pottery 179.
 - to Northwestern pottery 194.
 - See also* Potomac-Chesapeake.
- Middle Memphis-Pontotoc Trail 42: 819 *sq.*
- Middle Mesa
 - Awatobi migration to 21: 104.
 - derivation of Natackas of 21: 71.
 - effigies at pueblos of 21: 51.
 - of Hopi country, reference to 19: 579.
 - ruins at 17: 581, 582.
 - Snake dance, most primitive form 19: 986.
- Middle Mississippi
 - mounds 5: 11.
 - province, pottery in 4: 369-426.
- Middle Mississippi Valley
 - extension of textile-marked ware into 20: 195.
 - moistness of soil of 20: 82.
 - occurrence of death's-head vases in 20: 39 *sq.*, 96 *sq.*
 - occurrence of engravings of human head on shells in 20: 138.
 - occurrence of salt-making vessel in 20: 28.
 - occurrence of trowel-like implements of clay in 20: 39, 99 *sq.*

- Middle Mississippi Valley**—Contd.
 physiognomy of potters of 20: 82.
 pottery of 20: 80–101.
 recent practice of potter's art in 20: 82.
See also Mississippi Valley.
- Middle Mississippi Valley Pottery**
 area covered by 20: 20, 21, 130.
 chronology of 20: 82.
 color of 20: 84 *sq.*
 collection of 20: 80.
 culture stage of makers of 20: 82 *sq.*
 decoration of 20: 86, 100 *sq.*
 distinguishing characters of 20: 86.
 examples of 20: 87–101.
 finish of 20: 84.
 forms of 20: 85 *sq.*, 87.
 geographic distribution of 20: 80 *sq.*
 material and manufacture of 20: 83 *sq.*
 occurrence of pottery resembling, in Ohio 20: 184.
 peoples concerned in 20: 81–84, 143.
 pipes 20: 45, 98 *sq.*
 preservation of 20: 82.
 resemblance of Gulf pottery to 20: 104, 106.
 resemblance of Lower Mississippi Valley pottery to 20: 101, 104.
 resemblance of Missouri Valley pottery to 20: 194, 199.
 sources of information concerning 20: 87.
 uses of 20: 83.
- Middle-of-the-World**
 ceremonial testing of the 13: 429.
 Zuñi determination of 13: 428.
 Zuñi search for 13: 390, 398, 415.
 Zuñi symbolism of the 13: 373.
- Middle People** of Zuñi mythology 13: 427.
- Middle Place**, finding of 23: 44, 46.
- Middle Sites**
 occurrences of pottery on 20:
 Florida Peninsula 120 *sqq.*
 Northern and Middle Atlantic States 151, 175.
See also Occurrences.
- Middle Tennessee Chickasaw Trace** 42: 811.
- Middle Tennessee Trails** 42: 833–851.
- Middle Village Chippewa**, reservation for 18: 810.
- Middlesboro, Ky.**, trail passing 42: 797.
- Middleton, James D.**
 appointment of, as assistant 12: 19.
 calls attention to bundled skeletons in mounds 12: 529.
 examination of Selsertown mounds by 12: 265.
 explorations by 5: xx, *xxi*, 14; 11: *xxvi*; 12: 440, 571.
 fails to find certain inclosures 12: 415.
 field work of 6: *xxvi sq.*
 finds stone graves of southern Illinois to be in part comparatively recent 12: 136, 608.
 indebtedness to, acknowledged 12: 25.
 observes evidence of skeleton burial 12: 637.
 observes evidence of use of fire by mound-builders in burial ceremonies 12: 678.
 petroglyphs reported by 10: 80, 81.
 reports survey of the Hopeton works 12: 472.
 resignation of 11: *xxvi*.
 survey of ancient work by 12: 92, 181, 263, 414, 461, 472, 481.
 survey of Elephant mound by 12: 92.
 work of 7: *xvii*, *xviii*; 8: *xx*, *xxiv*; 10: *xi*.
- Middleton, Jeff**, mound opened by 5: 20.
- Midē or Mide**
 charts of, description of 7: 165, 174–183, 185 *sqq.*
 class of shamans, relative importance of 7: 156.
 combined with adoption feast 40: 357.
 how elected 7: 160, 163 *sq.*
 lodges, ceremonies of 10: 508.
 rites, birch-bark roll of 10: 202 *sq.*
 therapeutics of 7: 197–202.
- Midē Society.** *See* Midewiwin.

Midewigan or *Grand Medicine Lodge*, description of 7: 187 *sqq.*, 224, 240, 255 *sqq.*

Midewiwin, or *Grand Medicine Society of the Ojibwa*

ceremonial chant of 10: 232-246.

ceremonies of first degree 7: 189-224.

ceremonies of second degree 7: 224-240.

ceremonies of third degree 7: 240-255.

ceremonies of fourth degree 7: 255-278.

ceremony of initiation into 7: 187-196, 202-286.

degrees in 7: 164.

dress and ornaments used in dances of 7: 298 *sq.*

drums used in ceremonies of 7: 238.

future of 7: 299 *sq.*

initiation into, by substitution 7: 281-286.

investigation of 10: XIII.

magical practices of 7: 204 *sqq.*

medicine practiced by 44: 322.

mention of 14: 67.

paper on 7: 143-300.

payments made to priests of 7: 225.

pictography of 7: 286-289.

purposes of 7: 151.

records of 7: 164 *sq.*

songs of 7: 193-196, 202 *sq.*, 207-210, 216, 218 *sq.*, 227-230, 232 *sq.*, 239 *sq.*, 243 *sq.*, 246-251, 253 *sq.*, 259 *sqq.*, 263 *sq.*, 266-273, 282-286, 289-297.

use of tobacco in ceremonials of 7: 231, 248 *sq.*

Midjistega, stories told of 37: 254, 255-258.

Midwife

among the Kwakiutl 35: 650, 651.

office of 46: 516.

pay of 35: 670.

Migis, *Indian charm or token*, forms and uses of 7: 191, 192, 215, 217 *sq.*, 220, 236, 251, 265.

Migration

character of Pueblo 19: 644, 645, 648.

effect of, upon language 7: 141.

effect of, upon Pueblo architecture 8: 15.

Migration—Continued

from Asia, inevitable 46: 93, 96.

from Laguna 47: 348 *sq.*

in America indicated by customs 3: 146, 151.

in the Gulf States 12: 719.

legend, Eskimo 18: 516 *sq.*

legend, Mohegan-Pequot 43: 216 *sq.*

legends, Chickasaw 44: 174-179.

lines of 12: 525.

myth, Acoma 47: 142-147.

myths of the Sia 11: 41.

of Hopi clans 17: 577.

of Siouan tribes, westward 7: 112.

of the Asanymu of Tusayan 8: 30.

of the Assiniboin 46: 395 *sq.*

of the Bear people of Tusayan 8: 20.

of the Čegiha tribes 3: 211 *sqq.*

of the Cherokee 19: 17-21.

of the Eskimo 11: 203; 46: 265.

of the Horn people 8: 18, 19.

of the Kiowa 17: 152, 311.

of the Kiowa Apache 17: 247.

of the Omahas 3: 213 *sq.*

of the Tusayan 8: 17.

of the Zuñi 30: 35.

of tribes 46: 405 *sq.*

of Tusayan Water people 8: 31, 32.

Pueblo, how affected 13: 258.

Pueblo, influence of water supply on 19: 645 *sq.*

record of 10: 566, 567.

regulations, Wyandot 1: 64.

to America, prehistoric 3: 146-151.

tradition of the Hopi 13: 188.

traditions of the Cherokee 19: 428 *sq.*, 453.

traditions of Tusayan, memoir on 19: XXXIX *sq.*

Yukon 46: 83.

See also **Emergence; Migrations; Sacred Myths.**

Migrations

along Great Indian Warpath 42: 757.

cause of 45: 321.

Coeur d'Alène, no record of 45: 40.

early, in Southwest 28: 153, 157-160, 218 *sq.*

extent of, of various tribes 14: 345.

of the Okanagon 45: 213.

of the Omaha 27: 72, 75.

of tribes 45: 316-325.

Migrations—Continued

- of tribes, study of 22, i: xviii sq.
- Siouan 37: 49 sq.
- southern, of the Menomini 14: 218.
- value of pottery in study of 20: 18, 19, 21 sq.
- Winnebago 37: 49-52.
- See also Migration.*

Miguel

- aid rendered by 17: XLII, 14.
- Pima chief 26: 21.

Miha'ke Nikashiha Group (Quapaw)

27: 68.

Mije or Mixe

- number names of 19: 873.
- See also Mixe.*

Mi'kaçi Group of Mo'nthinkagaxe gens

27: 172.

Mi'kaçi Songs

27: 416-420.

Mikalgi

- application of the name 42: 288.
- office of, description of 42: 290 sq.

Mikasuki

- a Seminole Red town 42: 257.
- allocation of clans in beds at 42: 201-204.
- arrangement of square ground of 42: 235, 294, 295.
- burial customs of 42: 396.
- clan councils of, unobtainable 42: 127.
- clans of, furnishing chiefs and heni-has 42: 193, 194.
- clans, phratries and moieties of 42: 161 sq.
- dances known by 42: 524.
- dances of 42: 528, 530, 531, 533 sq.
- medicines used by 42: 608.
- mourning customs of 42: 379.
- plan of ceremonial ground of 42: 235, 296.
- position of beds at 42: 199.

Mika'tonke River. *See Des Moines River.***Mike'nitha, group under, account of**

27: 178, 179 sqq.

Mi-k'in' Gens, personal names of

43: 153 sqq.

Mi-k'in' Wa-noⁿ

- a gens of the Tsi'-zhu division 39: 84.
- a war gens 39: 243.

Mi-k'in' Wa-noⁿ—Continued

- mention of 39: 177, 178.
- symbol of 39: 50.

Mi-k'in' Wa-noⁿ Gens, wi'-gi-e of

36: 122 sq.

Miko

- chief executive of the Creek tribe 42: 276.
- clans furnishing 42: 280.
- duties of 42: 277-280.
- head, council of 42: 295.
- installation of 42: 282 sq.
- peace made by 42: 441.
- selection of 42: 281 sq., 284 sq.
- stone under bed of 42: 545.
- theoretical position of 42: 279.
- usually associated with peace 42: 277.

Miko Apokta, principal subordinate chief

42: 286.

Miko Hatki, chief of Tulsa

42: 331.

Miko Hoyanidja

- a busk medicine 42: 547.
- use of 42: 607, 617, 655.

Mikonotunne

- games of the 24:
- shinny 623.
- stick games 236.

Milan Convention, on instruction of deaf-mutes

1: 307.

Miles, Agent —, on outbreak of 1874

17: 201.

Miles, Gen. Nelson A.

- a Ponca commissioner 15: 192.
- campaign against Kiowa by 17: 210.
- destruction of Indian village by 4: 117.
- in Nez Percé war 14: 714.
- Indian operations under 17: 212.
- on aspect of Wounded Knee affairs 14: 874.
- on causes of Ghost dance 14: 816.
- on causes of Sioux outbreak 14: 826, 833, 843.
- on dispatch of troops in Sioux outbreak 14: 852.
- on mortality at Wounded Knee 14: 870, 871.
- on reduction of Sioux rations 14: 827.
- on Sitting Bull 14: 861.
- operations of, in Sioux outbreak 14: 850, 882, 887, 888, 890.

- Miles, Gen. Nelson A.**—Continued
 opinion of, on Sioux excitement 14: 849.
- Milfoil** 33: 134.
- Milford**, —, on Taskigi among Creeks 19: 259, 443.
- Milford, Utah**, pictographs at 4: 27.
- Milfort**, —
 ethnological authority 42: 679, 680.
 influence claimed by 42: 430.
 relations of, with McGillivray 42: 326.
 value of writings of 42: 40, 429 sq.
 version by, of Creek migration legend 42: 40-47.
- Milhau**, —, on the derivation of Coos 7: 89.
- Mi'li**
 ceremony over novice with 23: 505.
 separation and reconstruction of 23: 418 sqq.
See also Et'toně.
- Military Art** of ancient pueblos 13: 215.
- Military Branch** of Osage government 36: 65.
- Military Expeditions**, trails used by 42: 731.
- Military Forces** among the Pima 26: 28.
- Military Government**, Wyandot 1: 68.
- Military Law** of the Omaha 3: 368.
- Military Organization**
 of the Kiowa 17: 229.
 ultimate purpose of 36: 248.
- Military Posts**, list of 17: 381.
- Military Service** of the Pima 26: 31.
- Milk, Human**
 antidote for snake bite 30: 243; 38: § 929.
 how increased in mothers 30: 51.
 retained to an advanced age 38: § 909.
- Milkweed**
 ceremonial use of fiber of 30: 77, 88.
 medicinal use of 42: 667, 668.
 mention of 33: 109.
 tall, mention of 33: 110.
- Milkweed**—Continued
 use of 44: 287, 320; 45: 470, 498, 513.
 use of, as food 30: 65 sq.
 weaving of fiber of 30: 77.
See also Asclepias Syriaca.
- Milky Way**
 belief concerning 44: 256.
 in Hawaiian conception 33: 639.
 in Indian conception 14: 1053.
 in Omaha conception 27: 588, 590.
 in Pima mythology 26: 238, 247.
 in Pima religion 26: 252.
 in Tewa conception 29: 41.
 in Tlingit mythology 26: 452.
 myth concerning 19: 259, 443.
 name given to 42: 513.
 origin of 30: 260.
See also Galaxy.
- Mill Creek**, chert quarries at 44: 530 sq.
- Mill Sugar** 38: § 383.
- Millard, S. C.**, aid rendered by 17: XLII, 14.
- Mille Lac**
 cession of reserve at 18: 830, 936.
 reservation at 18: 802.
- Mille Lacs**, wild rice in 19: 1035.
- Milledgeville, Ga.**, pottery from mound near 20: 133, 137.
- Miller, Doctor** —, pottery collected by 17: 675.
- Miller, Governor** —
 efforts for Osage-Cherokee peace by 19: 137.
 quoted on prayers of the Osage 36: 49.
- Miller, Dr. C. C.**, assistance from 1: 197.
- Miller, Dr. Dayton C.**
 assistance of 38: p. 16.
 tone photographs designed by 39: 23.
- Miller, George**
 acknowledgment to 11: 362.
 assistance rendered by 33: 46.
 cited on beliefs 11: 372, 377.
 cited on fetishism 11: 413.
 information derived from 11: XXXII.
 mystery decoration used by 11: 394.
 quoted on Ictasanda custom 11: 383.

- Miller, George**—Continued
 quoted on Omaha invocations 11: 387.
 quoted on Siouan decorations 11: 398, 401.
 quoted on star beliefs 11: 379.
- Miller, Gerrit S., jr.**, reference to 44: 448.
- Miller, Henry**, killed at Wounded Knee 14: 871, 881.
- Miller, James H.**
 information furnished by 24: 792.
 material furnished by 24: 351, 668.
 on arrow game, Keres 24: 388.
 on cat's cradle 24: 770.
 on dice games, Keres 24: 120 sq.
 on shinny, Keres 24: 629.
- Miller, J. S.**
 acknowledgment to 41: 494.
 bones examined by 41: 493, 607.
- Miller, Merton L.**, on Taos 29: 180.
- Miller, Okusky**, information furnished by 42: 108.
- Miller, Samuel H.**
 resignation of 41: 73.
 work of 41: 42, 44, 71.
- Miller, William**, an Adventist 14: 944.
- Miller Collections**, reference to 28: 119.
- Miller's Cave, Mo.**, collection from 41: 19 sq.
- Millerton**, members of 19: 930.
- Milligan**, —, on Catawba in Cherokee war 19: 44.
- Milling Troughs** of Pueblo households 8: 109, 210, 212.
- Millipede Disease**, symptoms and treatment of 42: 648.
- Millipeds**, in Pima song 26: 305.
- Mills, N.**, Menomini treaty commissioner 14: 21.
- Mills, Robert**, quoted on South Carolina's Indian policy 18: 631.
- Mills Estate**, specimen from 34: 164.
- Mills**
 among the Cherokee 19: 85, 104.
 for grinding, development of 20: XL.
 of Pueblo women 14: 522.
- Millsborough, Pa.**, petroglyphs at 4: 20, 224; 10: 110.
- Millspaugh**, —, cited 30: 48.
- Milu** 33: 299, 620, 660.
- Milwaukee**, Indians at, in 1673 14: 18.
- Milwaukee Public Museum**, acknowledgment to 37: 48.
- Milwaukee River Chippewa, Ottawa and Potawatomi**, treaties with 18: 680 sqq., 722 sqq.
- Mimbeu**, panpipe 38: § 566.
- Mimble Apache**, disposal of land claimed by 18: 922.
- Mimbres Valley**
 Lower, report on archeology of 36: 11.
 pottery of 41: 82.
- Mimicking**, anger of spirit at 30: 194.
- Mimicry**, part played by, in athletics 19: LXIV, LXV sq.
- Mimosaceae** 33: 89.
- Mimusops** 38: § 23.
- Minabozho**
 an Ojibwa deity 7: 166.
 tradition of 10: 252.
- Mind**, responsivity of the 17: 268* sq.
- Mindeleff, Cosmos**
 acknowledgments to 8: 14, 15.
 collection from Casa Grande 28: 119 sq., 122.
 contributor to Bureau 48: 1189.
 description of Casa Grande by 28: 72, 79 sqq., 86.
 Homolobi group of pueblos identified by 22, i: 22.
 Homolobi ruins examined by 17: 532.
 localization of Tusayan clans by 19: 635-653.
 memoirs by 16: LXXXVIII, XCI, 73-198; 17: LXIII sqq., LXX sq., 469-517; 19: XXIX, XLI; 28: 119.
 monographs by 28: 185.
 obituary of 48: 1221.
 office work of 6: XLVII, XLVIII.
 on aboriginal remains in Arizona 13: LIII, 185-261.
 on absence of kivas in Verde ruins 17: 561.
 on Casa Grande ruin 13: LVII, 289-319.
 on cavate houses 17: 543.
 on function of cavate lodges 17: 544.
 on kivas at Mishongnovi 19: 966.
 on migration in Verde Valley 28: 158.

Mindeleff, Cosmos—Continued

- on origin of circular kivas 17: 576.
- on researches of F. H. Cushing 28: 72.
- on ruins on Verde River 28: 217 sq.
- on similarity of cliff dwellings and pueblos 17: 537.
- on Snake dance at Mishongnovi 16: 273; 19: 973.
- on traditional history of Tusayan 8: 16-41.
- on Verde Valley ruins 17: 535.
- operations of 13: xxvi, xxviii, xxxvii.
- papers by 28: 21 sq.
- published Snake dance in 1886 19: 965.
- publication of memoirs by 17: lvi, lvii.
- references to 28: 88, 188, 211.
- repair of Casa Grande, paper on, by 15: cii, 315-349.
- researches by 14: xxxvii; 16: xix, xx, xxii, xxiii, xxvi, xxvii, xxx, xxxv, xxxviii, xl, xliii, xlvii, lxi, lxvii.
- summary of work of 15: lxx, lxxvi.
- tcuhuki* found by 28: 101.
- work of 5: xxv, xxxvi; 7: xxv-xxviii, xxxiii; 8: xxvi, xxvii; 9: xxx sq., xl sq.; 10: xxii sq.; 11: xxxvi; 15: xxi, xxv, xxviii, xxxiii, xxxvii, xli, xliii, xlv, xlvii, l, lii, liv, lvi, lviii, lx, lxii, lxiii, lxv, lxvi; 22, i: 125.

Mindeleff, Victor

- architecture, study of Tusayan, reference to 19: 579.
- Awatobi described by 17: 602.
- collections of 4: 293, 311, 338; 6: xl ix.
- contributor to Bureau 48: 1189.
- data by, on Navaho houses 17: 476.
- description of Pueblo prayer ceremonies by 10: 511.
- ground plan of Chukabi by 17: 583.
- ground plan of Hawikuh by 14: 363.
- ground plan of Mishiptonga by 17: 590.

Mindeleff, Victor—Continued

- Kintiel ruin described by 22, i: 125.
- material collected by 24: 634.
- notice of paper on pueblo architecture of 8: xxxiv.
- obituary of 48: 1221.
- office work of 6: xlvii, xlviii.
- on antiquity of kiva forms 19: 988.
- on Awatobi kivas 17: 612.
- on ceremonial use of colors by Pueblo Indians 10: 622.
- on development of rectangular architecture 4: 475.
- on distribution of Tusayan ruins 17: 577.
- on former sites of Walpi 17: 585.
- on Horn-house and Bat-house 17: 590.
- on kivas at Mishongnovi 19: 966.
- on notched doorways 13: 254.
- on origin of circular kivas 17: 576.
- on origin of Pueblo house benches 17: 496.
- on Pueblo farming outlooks 13: 303.
- on Pueblo kivas 13: 257.
- on Pueblo mealing trough 14: 522.
- paper on Pueblo architecture by 8: 3-228.
- reference to memoir by 14: xlviii.
- report by, on Casa Grande 15: 327.
- Shitaimovi mentioned by 17: 582.
- Sikyatki described by 17: 632.
- sketches and models made by 23: 18.
- study of Pueblo architecture by 23: xlv.
- survey of large mound to Etowah group by 12: 300.
- work of 3: 517; 5: xxiv, xxv, xxxvi; 6: xxix, xxx; 7: xxv-xxviii, xxxii sq.; 8: xxvi, xxx; 10: xvii, xxi, xxii; 11: xxvii, xxxvi.

Mindemoya Island, Iroquoian pottery from 20: 171.

Mindoro Island, photographs of natives of 34: 29.

Mine, aboriginal 42: 783.

Miner, Jesse, land-treaty witness 14: 29.

Mineral

- compositions of stone articles 2: 320.

Mineral—Continued

- paint, reference to 29: 581, 582.
- products, traded by Papago 26: 93 sq.
- substance not used to decorate Santa Clara pottery 2: 430.
- See also Minerals; Pigments.*

Mineral Springs

- in Tewa country 29: 163 sqq., 168, 190, 351, 357.
- occurrence of 46: 409.

Minerals

- in Tewa country, deposits of 29: 119, 120, 207, 218, 234, 235, 258, 261, 290, 300, 308, 318, 323, 329 sq., 340, 341, 354, 367, 380, 381, 385, 454, 470, 494, 552, 555.
- in Tewa country, known to Tewa 29: 38.
- in Tewa country, names of 29: 579 sqq.
- influencing pottery 4: 493.
- of the Point Barrow region, Alaska 9: 60 sq.
- See also Mineral.*

Mines, Spanish, in the Alleghenies 19: 29, 202.**Mingala**, ashes from bark of, mixed with clay in pottery 38: § 90.**Mingo Town**, trail passing 42: 757, 786.**Minikafizu**, a Teton division 14: 1059.**Mi'nikashiha Group** (Quapaw) 27: 68.**Minikooju**, gentes of the 15: 220.**Mining**

- privileges, control by Congress of grants of 18: 642.
- See also Mine; Mines.*

Minitari

- among the Hidatsa 15: 197.
- Gros Ventre or Hidatsa tribal designation 10: 384.
- manufacture of pottery by 20: 195 sq.
- smallpox among the 17: 275.
- See also Hidatsa.*

Miniwatu, beliefs concerning 11: 440.**Mink**

- Eskimo method of trapping 18: 121, 125.

Mink—Continued

- in Menomini myth 14: 134, 164, 172.
- myths concerning 19: 263, 277, 452.
- skin, Eskimo ceremonial objects made of 18: 419.
- skin, Eskimo clothing made of 18: 31, 33, 35.
- skin, Eskimo tobacco implements made of 18: 284 sq.
- special connection of, with woman 27: 512.

Mink Clan

- affiliations of 42: 121 sq.
- native name for 42: 116.

Minko

- descent of 44: 191.
- head chief or king 44: 119.

Minneconjou Dakota

- definition of 4: 98.
- definition and habitat of 15: 161.
- mention of 4: 94, 96.
- myth of 10: 482.

Minnesota

- antiquities of 12: 42, 45 sqq.
- field work in 11: xxvi; 21: ix.
- military posts in 17: 384.
- petroglyphs in 10: 87-90.
- pictographs in 4: 33.
- Pipestone County, Selsertown group 12: 42 sqq.
- pipestone quarries in 13: xxviii; 14: xxv.
- references to 27: 36, 57, 72, 73, 74.
- relic frauds of 4: 248 sqq.
- researches in 29: 10, 19.
- rock carvings in 4: 23.
- wild rice industry in 21: xix.

Minnesota Historical Collections on

- influence of wild rice on geographic nomenclature 19: 1123.

Minnesota River

- reference to 27: 73.
- St. Peters, wild rice in 19: 1035.

Minnesota River Sioux, treaty with 18: 794.**Minnesota Valley**, traditions concerning rock inscriptions in 10: 34.**Minnetaree or Minnetari**

- beliefs among 11: 436.
- mention of 4: 108.

- Minne-wakan**, sacredly regarded 15: 184.
- Minor, Edwin**
material collected by 24: 171, 313.
on dice game 24: 171.
- Minor, Dr. T. T.**
Aleutian death mask presented by 3: 142.
mask from Shamugin Islands presented by 3: 140.
- Minor Antiquities, Casa Grande** 28: 118.
- Minsi Language**
references to 28: 239, 274.
See also **Munsee**.
- Mint**
American wild, use of 45: 475, 503, 507.
old 46: 41, 126.
wild, mention of 33: 112.
- Mintzner, W.**, acknowledgment to 6: 409.
- Minuet, Peter**, purchase of land by 18: 591.
- Minutes**, terms relating to 29: 68 sq.
- Miquiztli** day symbol, discussion of 16: 231.
- Mirage**, terms relating to 29: 60.
- Mirapiranka**, for staining hammocks a pink color 38: § 478.
- Miro, Gov. Estevan**, on Cherokee migration across the Mississippi 19: 100.
- Mirray**, salutation speech 38: § 813.
- Mirrors**, taboo of, to the taíme 17: 323.
- Miscarriage**, burials in case of 42: 398.
- Miscellaneous Articles**
from Cochiti 2: 460.
from Jemez 2: 454.
from San Ildefonso 2: 464.
from San Juan 2: 458.
from Silla 2: 455.
of clay 2: 421.
of clay, from Wolpi 2: 387.
of stone, from Wolpi 2: 377.
of stone, from Zuñi 2: 342.
- Miscellaneous Ornamentation** of pottery 4: 283.
- Miscogean, John L.**
Ottawa text by 43: 5.
text supplied by 41: 32.
- Misery**, origin of 30: 179.
- Mishaukewett**, Ojibwa treaty signer 14: 28.
- Mishikhwutmetunne**
games of the 24:
shinny 623.
stick games 236.
- Mishiptonga**
description of ruin of 8: 52 sq.
ruin of, mention of 17: 590.
- Mishongnovi**
Antelope altar of 19: 966-969.
Flute ceremony at 19: 987-1000; 22, i: 18.
founded by the Patuñ clan 19: 626.
location of, in Hopi country 19: 579.
See also **Mashongnavi**.
- Mishongnovi, Old**
discussion of 17: 582.
pueblo of Patuñ clan 19: 595.
Snake dance at, in 1897 19: 946-976.
- Mishongnovi People**, personation of Sowifwû 21: 104.
- Mishofñinovi** in 1782 17: 579.
- Mishopsnów**, mention of 44: 35.
- Misina**. *See* **Zuñi**, *mythology of*.
- Misisauga**. *See* **Missisauga**.
- Miskut**. *See* **Hoopa Valley Reserve**.
- Mission**
buildings, of Shumopavi 8: 27, 75 sq.
house at Walpi, timbers of, used in Walpi kiva 8: 119.
ruins of, at Awatobi 17: 606.
when established at Awatobi 17: 599.
See also **Missionaries**; **Missions**.
- Mission, Alaska**. *See* **Ikogmut**.
- Mission Fight**, description of 14: 875.
- Mission Indians**
beads worn by the 44: 147.
construction of house of 43: 8 sq.
games of the 24:
dice games 204.
hand game 325 sq.
shinny 644.
Ghost dance among the 14: 804.
information concerning 26: xxvi.
land cessions and reservations by 18: 852, 884, 886, 890, 892, 898, 902, 904, 906, 908, 910, 912, 918, 924, 934, 938.
linguistic studies among the 39: 20.
work among the 43: 7 sqq.

- Mission of the Arrow**, declaration of war 38: § 759.
- Mission Records**, reference to 28: 16.
- Mission Reserve**, establishment of 18: 886.
- Mission Ridge**, cause of name of 19: 105.
- Mission School, Presbyterian**, mention of 47: 207.
- Missionaries**
among Cherokee, arrest of 19: 119, 120.
and missions among Cherokee 19: 37 sq., 83 sq., 104 sq., 107, 123, 136, 150, 152, 155, 165.
at Wounded Knee 14: 874, 875, 878.
discussion of teaching of 46: 468.
nature of records made by 42: 678.
Spanish, early success among Indians 14: 551.
Spanish, introduction of fruit by 14: 550.
See also Mission; Missions.
- Missionary Schools**, influence on Eskimo of 18: 21.
- Missionary Work** among Pima and Apache 26: 27 sqq., 59, 63 sqq.
- Missions**
among the Caddo 14: 1094.
among the Hopi 17: 595.
Anvik 46: 56.
establishment of, among the Flathead 45: 385 sq.
influence on Seri of 17: 76.
of Tusayan 8: 22, 49.
Point Hope 46: 101.
Russian 46: 134.
Sonoran, list of 17: 381.
Spanish, building of 42: 829.
Tanana 46: 42.
Yukon 46: 133.
See also Mission; Missionaries.
- Missisauga**
curing wild rice 19: 1065, 1066.
eating wild rice 19: 1081.
games of the 24:
dice games 80.
double ball 648, 653 sq.
hidden ball 344.
racket 563, 565, 569.
ring and pin 534, 538.
running races 803.
snow-snake 405.
- Missisauga—Continued**
population of the 7: 49.
threshing wild rice by flailing 19: 1069.
- Mississenewa River**, treaties of 18: 716.
- Mississippi**
Adams County, Selsertown group 12: 263-267.
archeologic work in 8: XIX.
archeology of 12: 253-278.
Bolivar County, explorations in 12: 258.
butterfly gorgets from 13: 124.
celts from 13: 74, 77, 78, 82.
chipped flints from 13: 148, 149.
chisels from 13: 84.
Coahoma County, ancient works in 12: 253-258.
discoidal stones from 13: 105, 107.
flakes from 13: 174.
Middle, province in pottery 4: 369-426.
mortar from, description of 13: 96 sq.
northeast, trail to 42: 853.
pick from, description of 13: 125.
pottery from 4: 399, 403, 431, 432; 20: 94, 102, 103, 106.
researches in 28: 9.
rock carvings in 4: 23.
spades from 13: 135.
stemless scrapers from 13: 170.
stemmed flints from 13: 151, 153, 156, 160, 163.
tubes from 13: 128.
Union County, mound group in 12: 267-278.
Upper, province in pottery 4: 426-431.
Washington County, ancient works in 12: 259.
Yazoo City, mounds near 12: 260-263.
- Mississippi Band of Ojibwa**
dialect of 28: 262, 263.
reference to 28: 272.
- Mississippi County, Ark.**, collection from 3: 468.
- Mississippi Mounds**
Middle and Lower 5: 11.
Upper 5: 10, 24-44.
- Mississippi-Natchee Indians**, mention of 44: 174.

Mississippi River

- Chickasaw name for 44: 180.
- Creek name for 42: 38.
- description of 14: 493.
- description of, by Castañeda 14: 529.
- description of, to Coronado 14: 504.
- headwaters of, wild rice in 19: 1034.
- Menomini name for 14: 218.
- mention of 14: 510; 42: 43.
- Muskogean stock on 42: 678.
- Narvaez wrecked at mouth of 14: 347.
- physical type of tribes on 42: 677.
- pictographs on 4: 33, 34.
- signals of peace by Indians on 10: 361.

Mississippi River and Tennessee River Trail 42: 854.**Mississippi Valley**

- abundance of pottery in 20: 23.
- ancient pottery of the 4: 361-431.
- antiquity of man in 28: 15 sq.
- apparent superiority of culture of, to that of Florida 20: 117.
- culinary pottery of, uniformity in 20: 102.
- explorations in 5: xxi.
- Iroquois influence in 20: 158 sq.
- material relating to tribes of 28: 12.
- modeling of animal forms in 20: 66.
- mound-builders of 25: 231.
- occurrence of trowel-like objects in 20: 35 sq.
- occurrence of salt vessels in 20: 28-31.
- prehistoric fabrics from 3: 408-411.
- probable survivals of ancient symbolism among tribes of 20: 101.
- tribes of the 30: 19.
- use of clay as cement and plaster in 20: 37.

Mississippi Valley Historical Association 30: 15, 18.**Mississippi Valley Pottery**

- areas covered by 20: 21, 104, 148, 201.
- character of 20: 20.
- decoration of, in color 20: 67.

Mississippi Valley Pottery—Contd.

- occurrence of duck designs in 20: 107.
- occurrence of ware resembling, in East Tennessee 20: 180.
- occurrence of ware resembling, in South Appalachian province 20: 137, 138, 144.
- ornaments 20: 42, 43.
- papers on 20: 15.
- relation of Gulf Coast pottery to 20: 105, 106, 108.
- resemblance of Florida pottery to 20: 128.
- See also* Middle Mississippi Valley; Lower Mississippi Valley; Northwestern.
- Mississippi Valley (Lower) Tribes,** work on 29: 14.

Missouri

- abundance of pottery in 20: 80.
- archeologic work in 13: xxviii; 41: 91, sq.
- archeology of 12: 163-199.
- Bollinger County, mounds in 12: 170.
- bulletin on antiquities of 30: 23.
- Butler County, Power's fort 12: 194, 195.
- Cape Girardeau County, antiquities in 12: 166.
- Charleston, trade in mound pottery by people in vicinity of 12: 183.
- chipped flints from 13: 149.
- Clark County, mounds of 12: 163.
- Clifton Springs, salt kettle pottery found near 12: 167.
- collection from 29: 21.
- collection of Indian relics from 3: 495-507.
- fabric-impressed pottery from 13: 42.
- field work in 23: ix, xv.
- grooved ax from Boone County 13: 64.
- Lewis County, antiquities in 12: 167.
- military posts, etc., in 17: 384.
- Mississippi County, mounds and antiquities of 12: 184-189.
- mound explorations in 5: xxi; 29: 19.
- mounds in 5: 10, 11, 41-44.

Missouri—Continued

occurrence of salt-making vessels in 20: 28, 31.

pipe from 13: 132.

pottery from 4: 395, 396, 446; 20: 88, 89, 90, 91, 93, 94.

references to 27: 57, 72.

Scott and Mississippi Counties, mounds of 12: 183-193.

southeastern, special ceramic group in 20: 81.

spades from 13: 135.

St. Lewis County, antiquities in 12: 167.

stemless scrapers from 13: 170.

stemmed flints from 13: 158, 159.

Stoddard County, antiquities of 12: 172-183.

work on pottery of 20: 87.

Missouri Indians

a Teiwéra division 15: 162.

archery game of the 24: 394.

gentes of the 15: 240.

Ghost dance among the 14: 902.

habitat of the 7: 116.

land cessions and reservations 18: 726, 750, 762, 790, 798, 858, 886-894, 904.

legendary origin of 37: 50.

Omaha name for 27: 102.

party to treaties 27: 622, 623.

settlement of, on Cherokee Strip 19: 151.

slaves among the Menomini 14: 35.

Missouri, Kansas and Texas Railroad, construction of 19: 151.**Missouri River**

flood, recorded 4: 113.

in Omaha history 27: 72, 73, 74, 75, 78, 80, 100.

in Ponca legend 27: 47.

mention of 42: 43.

mention of, by Castañeda 14: 529.

Omaha villages on 27: 85-89.

reasons for muddiness of 40: 61.

references to 27: 57, 91, 626, 627, 629, 630.

sign for 1: 477.

trading post on 27: 81, 612.

Missouri River Railroad Co., sale of land to 18: 823, 840.**Missouri Valley**

abundance of pottery in 20: 23.

Missouri Valley—Continued

pottery making by Indians of 20: 58.

pottery of 20: 187 *sq.*, 194, 201.

probable origin of Hopewell mounds obsidian in 20: 195.

relations of pottery of 20: 147, 194.

See also Northwestern Pottery.

Missouria, removed to Indian territory 5: 364.

Mist, terms relating to 29: 54.

Mi'stävií'nû́t, a Cheyenne division 14: 1026.

Mistletoe

abundant along Gila 26: 71.

in Cherokee lore 19: 420.

medicinal use of 42: 659.

Misyahu, investigation of site of 43: 9.

Mitauí, sketch of the 14: 734.

Mitawit

ceremonies, decline of 14: 137, 157, 158.

form of procession in 14: 102 *sq.*

list of members of 14: 84 *sq.*

of the Menomini 14: 66-138.

origin of the 14: 114.

Mitawok and Wadenoak, comparison of 14: 155.

Mitchell, —, on seat of government 42: 310.

Mitchell, D. P., survey of Cherokee boundary by 5: 365.

Mitchell, J. A.

material collected by 24: 68, 230, 403 *sq.*, 536, 652, 791.

on dice game, Cree 24: 68 *sq.*

on double ball, Cree 24: 652.

on European games, Cree, Chippewa 24: 791.

on hand game, Cree 24: 270.

on hidden ball, Cree 24: 342.

on ring and pin, Cree 24: 536.

Mitchell, John, on influence of wild rice on geographic nomenclature 24: 1120, 1121, 1122.

Mitchell, Miss Mary M.

acknowledgments to 15: 18; 20: 17.

illustrations prepared by 14: XLVII.

Mitchell, Sophia and Alzira, grant of land to 18: 672.

Mitchell, S. Augustus, on influence of wild rice on geographic nomenclature 19: 1117, 1120, 1122.

- Mitchell, Dr. Samuel L.**
 mortuary fabrics described by 13: 13.
 on Kentucky mummies 1: 133, 134.
- Mitchell, S. W.**
 acknowledgment to 17: 21.
 examination of poisoned arrows by 17: 256*.
- Mithaw.** *See* Mitauai.
- Mithouies**, a Mitauai synonym 14: 734.
- Mitilus Shells**
 used as utensils 2: 191, 210.
 used in manufacture of fishhooks 2: 210.
 used in manufacture of ornaments 2: 261.
- Mitletukeruk** 46: 202.
- Mitliktavik** 46: 208.
- Mitlison, Th.** 46: 371.
- Mitrofanía** 46: 188.
- Mí-tsi**, Zuñi myth of 2: 18.
- Mittakawye**, Oconee war chief 42: 34.
- Mittens**
 made of skins 45: 73, 235.
 of the Eskimo 9: 123, 125; 18: 38 *sqq.*, 129.
 of the Northern Indians 11: 219, 284, 285.
- Miwok**
 division of Moquelumnan family, tribes of 7: 93.
 games of the 24:
 dice games 143, 144.
 racket 596 *sq.*
 shinny 617.
- Mi'wŭk**, number names of 19: 871.
- Mixa'čka** (Ponca), story told of 27: 446.
- Mi'xaçoⁿ** Group of the Moⁿ'thiⁿkag-axe gens 27: 172.
- Mize**
 method of forming numbers above ten 19: 906.
 numbers of 19: 930.
See also Mije.
- Mixed-blood**
 among Yukon Indians 46: 69.
 at Anvik 46: 57.
 at St. Michael 46: 84.
 mention of 46: 36, 38, 43, 52, 107, 111, 133, 150, 151.
 Tewa name for 29: 575.
- Mixed Dance**, reference to 47: 87.
- Mixtec**, numbers of 19: 872, 930.
- Mixton Peñol**
 capture of 14: 411.
 war, causes of 14: 408.
- Mixture**
 Eskimo and negro 46: 111.
 Indian and Eskimo 46: 69, 156, 161, 162, 163, 250, 259, 268, 365.
- Mnemonic**
 devices 4: 79-146; 42: 446, 453-456.
 motives in pottery decoration 20: 64.
 pictographs 4: 79 *sqq.*, 161.
 picture-writing 10: 223-264.
 records 2:
 interpretation of 241, 244, 246.
 Iroquois keeper of 241, 244.
 of the Mexicans 240.
 of the North American Indians 240.
 of the Peruvians 240.
 origin of 240.
 use of materials other than shell for 245, 247.
 use of wampum for 240, 254.
 songs of the Ojibwa 14: 106.
 symbols invented by Smohalla 14: 720.
- Moalkai** land cessions and reservations 18: 784.
- Moanalihaikawaokele** 33: 307, 324, 629.
- Moapa River Reserve**
 changes in 18: 870, 878, 882.
 establishment of 18: 862.
- Moaulanuiakea** 33: 370, 619, 648.
- Moazoninee**, Ojibwa treaty signer 14: 28.
- Moberly, Jim**, work of 22, i: xii.
- Mobile, Ala.** (?)
 pottery from 4: 431.
 Spanish possession of 19: 68.
 treaty of 18: 559 *sq.*
 vases obtained near 20: 107 *sq.*
See also Mohegan.
- Mobile Bay**
 absence of stamped ware west of 20: 23.
 Mexican and Central American suggestions in pottery from 20: 113.
 occurrence of stamped ware around 20: 135.

Mobile Bay—Continued

occurrence of thick-rimmed bowls
near 20: 112 sq.

See also **Mobile-Pensacola**.

Mobile Indians

mention of 42: 324.

punishment among 42: 348.

See also **Mabila**.

Mobile-Pensacola Pottery

Florida pottery resembling 20: 127.

Gulf Coast pottery unlike 20: 110
sqg.

mention of 20: 105 sqg.

**Mobilian Trade Language, or Jar-
gon**

character and use of 19: 187 sq.

mention of 7: 96.

Mobilians

tribe of Choctaw confederacy 19:
500.

wattled biers of the 13: 14.

Moccasin

baby's, custom concerning 41: 546.

in Cherokee myth 19: 297.

See also **Moccasins**.

Moccasin Ceremony 39: 248.**Moccasin Creek**, character of stones
along 15: 72.**Moccasin Game**

mention of 37: 121 sq.; 42: 469.
of the Menomini 14: 242.

See also **Hidden-ball Game**.

Moccasin Gap

Boone's trail through 42: 801.

road through 42: 794.

route from, to Cumberland Gap
42: 793.

trails leading from 42: 758.

Moccasin Ritual 45: 550-554.**Moccasin-shaped Jar** from Pueblo
Viejo 22, i: 181.**Moccasin Wi'-gi-e** 36: 239 sqq.,
290 sqq.; 39: 63-66, 84 sq., 248
sqq.; 45: 700-703.**Moccasins**

ceremonial, symbolism of 45: 549.

ceremony connected with 45: 699-
703, 709.

conversion of, into owls 32: 143.

description of 27: 355; 45: 72 sq.,
234 sq.

girls taught to make 40: 303, 339.

in birth ceremonies 27: 117.

Moccasins—Continued

in ceremony of Turning the Child
27: 118, 121.

left in lodge to deceive husband 32:
469.

magic power of 32: 186, 227.

material for 27: 272, 345.

mention of 32: 226.

of Oraibi Snake dancers 16: 294.

of the Kateinas 47: 870.

of the Menomini 14: 268.

of the Nenenot 11: 284.

of women 42: 683.

painting of 23: 221.

patterns of 37: 107, 108.

present use of 40: 344.

significance of 27: 144, 358 sq.,
594.

symbolic, ceremonial cutting of 36:
121; 39: 61 sqq.

symbolic, ceremonial use of 39:
66, 67, 84 sq., 251, 257, 259.

symbolic, ceremony of making of
36: 239, 241 sq.

symbolic, diagram of cutting 39:
62.

symbolic, sewing of 45: 548.

symbolic, shaping of 45: 547.

use of, by members of Shell society
27: 519.

use of, by Pueblo women 14: 517.

use of, by war parties 27: 409.

use of, on the dead 27: 408.

use of, to deceive pursuer 32: 105,
119, 271.

worn for traveling 42: 682.

See also **Moccasin**.

Mochila, settlement of 14: 515.**Mochilaqua**, Indian settlement 14:
515.**Mocking Bird**

in Pima mythology 26: 347 sqq.,
368.

See also **Huhu**.

Mocock (birch bark box) for carrying,
containing and storing wild rice
19: 1080.**Moctezuma**

chief of Aztec 25: 231, 248.

house of, reference to 28: 56 sq.,
58, 59.

See also **Montezuma**.

Moctezuma, L. O., work of 15:
XLIV, XLVIII, LXXXVI.

Moctobi, a Biloxi division 15: 164.

Modal Particles 1: 13.

Mode

in Indian languages 1: 12.

of approaching a village when visiting, Omaha 3: 276.

of counting, Dakota 4: 107.

of making pictographs 4: 234.

of making pottery vessels 4: 499 sq.

of weaving horse hair 4: 230 sq.

Modeling

Eastern United States pottery 20:

decoration by 65, 66.

use of baskets in 69 sqq.

use of cords in 72, 73-77.

use of fabrics in 70, 71 sqq.

use of paddles and stamps in 71, 72, 73, 78 sqq.

Florida pottery 20: 117.

Guiana Indian 38: § 612.

Iroquoian pottery 20: 162 sq.

nature of 30: 139 sq.

report on 11: xxxvi.

work in 13: xxxvi; 14: xlvii.

See also **Baskets; Cords; Fabrics; Fillets; Forms; Life; Manufacture; Paddles; Relieved Decoration; Roulette; Stamps.**

Modeling Tools

clay, eastern United States 20: 25, 35 sq.

clay, Middle Mississippi Valley 20: 83, 99 sq.

See also **Gourds; Paddles; Stamps; Stones; Tools.**

Modern Pottery Making

eastern United States 20: 20, 53-56, 71.

Lower Mississippi Valley 20: 102.

Middle Atlantic Coast 20: 152 sq.

Middle Mississippi Valley 20: 82.

Northwestern province 20: 195, 198.

South Appalachian province 20: 143 sq.

Modern Use of sign language 1: 293.

Modes of interpretation 4: 233-243.

Modification

how accomplished 1: 7.

of form in pottery 4: 373, 450-453.

of ornaments in pottery 4: 458.

Modoc Indians

basketry materials of 41: 146.

Modoc Indians—Continued

burial superstition of 1: 200, 201.

chronology of the 17: 372.

games of the 24:

four-stick game 327, 332.

hand game 293.

habitat and population of the 7: 90.

land cessions and reservations 18: 834, 878.

linguistic work among the 6: xxxvi, xxxvii.

Pit River tribes raided by the 14: 1052.

present habitat of the 14: 805.

tattooing among the 4: 63.

war color of the 10: 631.

women of, tattooing of 10: 631.

Módokni or Modoc (*q. v.*) 7: 90.

Moen-kopi

a Hopi summer village 16: 92, 156.

description of ruins of 8: 53 sq.

description of village of 8: 77.

survey and study of 8: 14.

Mofras. *See* **Duflot de Mofras.**

Moghar, Algeria, petroglyphs at 10: 178 sq.

Mogk, —, cited on Teutonic mythology 15: 254.

Mogollon Apache, disposal of land claimed by 18: 922.

Mogollon Mountains, cliff houses in, reference to 22, i: 20.

Mohammed and Smohalla, comparison of 14: 719.

Mohammedanism and Smohalla doctrine, comparison of 14: 930.

Mo'hatûk Mountain. *See* **Greasy Mountain.**

Mohave

attendance of the, at Ghost dance 14: 805.

chungke game among the 13: 99.

foot racing by the 14: 246.

games of the 24:

ball race 666, 682.

dice games 151, 205 sqq.

hand game 326 sq.

hoop and pole 420, 523 sq.

quoits 722, 726.

ring and pin 528, 560.

shinny 616, 644 sq., 646.

Ghost dance doctrine among the 14: 785.

Mohave—Continued

- gormandism among the 14: 287.
- houses of the 13: 358.
- in fights with the Maricopa 26: 41, 42, 46 *sq.*
- in fights with the Pima 26: 41, 46 *sq.*
- inscriptions by the 10: 95.
- knowledge of Ghost dance by the 14: 814.
- land cessions and reservations 18: 922.
- mortuary customs of the 26: 195.
- mythology of the 26: 216, 239.
- paint obtained from the 26: 161.
- painting of body by the 10: 620.
- pigments used by the 10: 221.
- population of the 7: 138.
- religious ideas of the 26: 252.
- tattooing of women of the 10: 406.
- trade with the Pima 26: 94.
- use of *Datura* by the 30: 41, 47.

Mohave Apache. *See* **Mohave.**

Mohawk

- burial customs of the 5: 21.
- games of the 24:
 - dice games 110 *sq.*
 - racket. 563, 590 *sqq.*
- inhumation among the 1: 93.
- land cessions and reservations 18: 658.
- language, comparison of Cherokee language with 19: 188.
- legend of Cherokee wars with 19: 357 *sq.*
- name for Cherokee 19: 16.
- name for titmouse 19: 454.
- peace treaty of the 43: 456.
- population of the 7: 80.
- population of the, in 1822 19: 1110.
- researches among the 42: 11.
- study of language of the 30: 20.
- texts, character of 28: 14.
- version of Iroquoian cosmology 21: 255.

See also **Five Nations; New York Indians; Six Nations.**

Mohawk Valley

- designs from vases from 20: 171.
- pottery from 20: 161.

Mohegan

- account of the 18: 613.
- attitude of the, toward neighboring peoples 43: 218.

Mohegan—Continued

- history of the 43: 207.
- land cessions and reservations 18: 617.
- linguistic affinity of, with Pequot 43: 208.
- population of the 43: 212.
- synonyms for the name 43: 219 *sqq.*
- See also* **Mahican.**
- Mohegan Hill**, church on 43: 237, 254.
- Mohegan Indian Association**, formation of 43: 213.
- Mohegan-Pequot Dialect**
 - affinities of, with Hudson River Mahican 43: 213-219.
 - an obsolete language 43: 205.
 - diary written in 43: 205, 228-251.
- Mohegan-Pequot Indians**
 - beliefs of the 43: 260-263.
 - ethnic composition of the 43: 206-212.

Mohekunnuck. *See* **Stockbridge.**

Mohetan, a Monakan division 15: 164.

Mohican. *See* **Mahican; Mohegan.**

Mohoce

- found by Oñate 28: 220.
- mention of 19: 598.

Mohr, C., on use of chisels in steatite working 13: 72.

Mohu-tatabu, finger catcher 38: § 617.

Moieties

- absent at Acoma 47: 37, 141.
- absent at Zuñi 47: 141.
- Acoma, questioned 47: 36 *sq.*
- association of clans in 42: 162-166.
- clan occurrences in 42: 162-166.
- Isletan 47:
 - and marriage 235, 262.
 - and war 345.
 - chiefs of 263.
 - general discussion of 261 *sqq.*
 - kivas of 262.
 - membership of 261 *sq.*
 - names of houses of 209.
 - principles of, contrasted with Te-wan 345.
- mention of 42: 156-166.
- of the Winnebago 37: 185-190.
- origin of 42: 157.
- relation of, to games 42: 165 *sq.*
- towns, clans and phratries, tabulation of 42: 158-162.

Moiety Divisions

early data regarding 44: 191.
modern contributions concerning 44: 191.

See also **Dual Division**.

Moiety Names, bestowal of 47: 215.

Moiety System

at Jemez, mixed origin of 47: 345.
at Taos, questioned 47: 346.

See also **Moieties**, *Isletan*.

Moiety Transfer Ceremonies 47: 330.

Moikeha 33: 619, 647, 656.

Moise, Chief

mention of 45: 341.

war exploits recounted by 45: 391.

Moiseyu, reference to 28: 234.

Moisture Tablet

appearance of, in Hopi pictures 21: 77, 79, 80, 121.

bearer of, description of 19: 998.

Mojave

in Pima legend 28: 51.

pigments 4: 52.

reference to 28: 217.

Mojave Desert, Calif., petroglyphs in 10: 61.

Moki

ceremonial by priests of 10: 512.
ceremonial use of colors by 10: 623 *sq.*, 628.

conventional device of, for rain and symbol of Aloseka 10: 662.

devices of 10: 746 *sqq.*

distinctive marks of 4: 232.

gesture signs of the 10: 643.

illustration of ornamentation by the 6: 197, 205, 224, 225, 226, 238, 240.

land cessions and reservations 18: 908, 922.

mythic drawings by the 10: 488-506.

name for Pueblo settlements at Tusayan 14: 390.

notices on rocks by 10: 329 *sq.*

pictographs of the 4: 16, 25, 29, 36, 46, 157, 194, 222, 229.

pottery of the 4: 277, 290, 293, 299, 493.

rabbit hair mantles at 14: 517.

ruins, exploration of 7: xxv *sqq.*

study of Snake dance of 7: xxvi, xxix.

Moki—Continued

tribes, studies among the 7: xxiv *sq.*

villages, visits to 5: 540.

See also **Hopi**; **Moqui**; **Tusayan**.

Mo'ki

account of 14: 1038.

song composed by 14: 1032, 1035, 1036, 1038.

Moki Pueblos, Ariz., work among 7: xxix.

Mol day symbol, discussion of 16: 237.

Molále, habitat and population of 7: 127, 128.

Molalla land cessions and reservations 18: 800, 814, 818.

Molds

decoration of Eastern United States pottery by 20: 65, 66.

for bullets, Eskimo 18: 164.

for casting pipe bowls, Eskimo 18: 281.

use of baskets as 20: 69 *sqq.*

use of, in making of United States pottery 20: 36 *sq.*, 49 *sq.*, 58, 59, 71.

use of, in making Middle Atlantic province pipes 20: 158.

See also **Baskets**.

Moldy-End in Tlingit mythology 26: 469.

Mole

myths concerning 11: 52; 19: 254, 277 *sq.*

offering of, in Powamû festival 21: 39.

resuscitates boy 32: 189, 190.

used for hiding from pursuer 32: 189.

used to convey boy underground 32: 79, 83, 136, 150, 205, 208, 216, 350, 356, 448, 486.

See also **Moles**.

Mole Clan

native name for 42: 115.

story concerning 42: 109.

Mole Cricket, in Cherokee lore 19: 309.

Mole Disease, symptoms of 42: 644.

Mole Fetish of the Zuni 2: 30.

Mole People, settlement in Tusayan of the 8: 27.

- Molectuhzoma** conquered by Cortez 14: 345.
- Moles**
beliefs concerning 42: 519; 44: 254.
cause of 30: 326.
See also **Mole**.
- Molina**—
on name of Chichilticalli 14: 516.
on meaning of *tlawile* 14: 524.
- Molina, Alonzo de**, on name Actopan 25: 235.
- Molina, Andomaro**
acquaintance of, with Maya traditions and usages 23: xxxvii.
collaboration of, on Mayan dictionary 21: xxvii.
Maya vocabulary prepared by 23: xxxvi; 24: xxiii.
work of, on translation of *Diccionario de Motul* 22, i: xxxiii.
- Molina, G. I.**, concerning emblems in treaties 2: 247.
- Moll, Herman**
map of 17: 56, 62.
map of, locating Kickapoo 19: 1055.
- Möllhausen, Baldwin**, on Santo Domingo 29: 449.
- Mollusks**
use of, as food 38: § 221.
See also **Shell**.
- Molo** day symbol, discussion of 16: 237.
- Molton, Bryen**, Tuskegee chief 42: 322.
- Momauguin**, sale of land by 18: 614.
- Momo**
description of 21: 81.
personation of, in Powamû 21: 32.
- Momteita**
ceremony of Pakab clans 19: 608.
description of 21: 81.
fraternities taking part in 21: 23.
- Moñ Kiva**
assembling of Sun priests near 21: 56.
corn planting in 21: 52.
dances performed in 21: 30.
display of war-god images in 21: 25, 26.
Lalakon̄tu winter assemblage held near 21: 39.
- Moñ Kiva**—Continued
Masauû rite performed in 21: 37.
participants from, in Pamûrti 21: 27.
prayer-stick making near 21: 31.
- Mona**, island of 25: 26, 27.
- Monache**. *See* **Owens River Indians**.
- Monakan or Monacan**
Cherokee relations with 19: 14.
divisions of the 15: 164.
use of flint by the 15: 140.
- Monarchical Stage**, development of music in 19: LXXII.
- Monarchies**, history of development of 20: cxi sq.
- Monarchy**, elements of government by 20: cxi-cxvii.
- Monarda**, species of, used medicinally 42: 657.
- Monarda Fistulosa**
human transportation of 33: 59.
mention of 33: 111.
- Monarda Mollis**, use of 44: 290, 346, 354.
- Monchu'inikashiha Group** (Quapaw) 27: 68.
- Monchu'ithaethe Society**, description of 27: 486 sq.
- Monchu'no'be**, *See* **Shu'denaçi**.
- Mondota**, treaty of 18: 784.
- Mondragón, Mrs. Dionisia**, botanical specimens obtained by 48: 7.
- Moneda** land cessions and reservations 18: 784.
- Moneeto Penaysee**, Ojibwa treaty signer 14: 28.
- Monegar, George**, records made by 47: 9.
- Moneton Tribe**, town of 42: 755.
- Monette**, —
on De Soto's route 19: 193, 198.
on Spanish encouragement of Indian hostility 19: 67.
on Thomas Walker's expedition 19: 39.
- Money**
as an element of commerce 20: XLVII sq.
introduction of 27: 617.
Kiowa chronology of 17: 254.
shell, use of 42: 721 sq.
sign for 1: 297.
- Mongolian Skulls** 46: 261.
- Mongolian Spot**, cause of 30: 326.

- Mongoloid**
 affinities of the Eskimo 46: 299.
 features of the Western Eskimo 46: 214-227.
- Mongols**, magic drums of the 10: 514-517.
- Mongúba Tree**, bark of, for rough hammocks 38: § 458.
- Mon'hiñgi**, keeper of Sacred Pipe ritual 27: 187.
- Mon'hiñthinge**, keeper of Tent of War 27: 452 *sqq.*
- Moniac, Sam**, Creek name of 42: 105.
- Moniko Indians**, modeling among the 30: 140.
- Monika Gens** of the Kansa 27: 67.
- Monkey**
 basketry design of 38: § 445.
 beliefs concerning 30: 366.
 head of clay 34: 68.
 hunting of 38: § 170.
 in Iroquoian cosmology 21: 214.
 in Mexican mythology 16: 221.
 in Quicha mythology 16: 243.
 string figure of 38: § 672.
 taming of, and in captivity 38: § 722.
 use of, for food 30: 295, 297.
See also Baboons; Howler Monkey; Orang-utans.
- Monkey-God** of the Hindus 16: 221.
- "Monkey" Teapot** from Barbados 34: 86.
- Monkey Throat Box** 38: § 385.
- Monkey Vases** made by negroes 34: 164.
- Moñkohu**, use of, in representations of Hopi kateinas 21: 59.
- Monko' Gens** of the Ponca 27: 44, 48, 439.
- Monk's Mound**, examination of 13: XXIX.
- Mono**
 games of the 24:
 ball race 666, 679.
 bean shooter 760.
 buzz 756.
 dice games 166.
 European games 796.
 football 698, 704.
 hand game 310, 311.
 hoop and pole 498.
 hot ball 714.
 shinny 617, 635.
- Monocacy Creek**, rhyolite quarries on 15: 79.
- Monogamic Character** of Seri marriages 17: 285*.
- Monogamy**, observance of 47: 135.
- Monolepis Chenopoides**, preparation of, for food 26: 70.
- Monolithic**
 animal at Quirigua 22, i:
 figure showing part of 211.
 great cycle symbol from 266.
 celts 34: 173, 174, 176.
- Monominee Cashee**, Ojibwa treaty signer 14: 28.
- Monongahela River**, pictographs on 4: 21.
- Monongahela Valley**, character of pottery of 20: 183.
- Monotheism**
 definition of 1: 30, 32, 142.
See also God; Gods.
- Moñpa**, Ala clan at 19: 590.
- Monroe, E.**, surveys by 18: 872.
- Monroe, Pres. James**
 approval of allotment project by 19: 114.
 on relations of Cherokee and Georgia 5: 238, 239.
 protest to, by Georgia delegation in Congress 19: 115.
 reply to Georgia's protest by 19: 115 *sq.*
- Monroe, Thomas**, inclosure on land of 12: 468.
- Monroe County, Tenn.**, vessel from 20: 182.
- Monsoni**
 population of 7: 49.
 reference to 28: 234.
- Mo'so'tsemoni**, an Osage gens 27: 39.
- Monster Myths** 11: 42.
- Monsters**
 believed in by the Eskimo 18: 441-449.
 in Oceanic mythology 16: 214.
 significance of representations of 20: 100.
- Montagnais**
 efforts of the, to establish peace 43: 455.
 games of the 24:
 archery 383, 384 *sq.*
 ring and pin 538 *sq.*
 tossed ball 708.

- Montagnais**—Continued
of the Ungava district 11: 181.
population of the 7: 49.
- Montagnais Language**
cluster *st* in 28: 234.
description of 28: 247 *sqq.*
examples in comparison with 28:
Algonkin 267, 272.
Cheyenne 286.
Cree 247, 248, 260, 261, 267,
269, 272, 279, 286.
Delaware 259, 260 *sq.*, 267, 269,
279, 286.
Fox 247, 248, 260, 261, 267, 272,
279.
Kickapoo 267.
Malecite 269, 279.
Menominee 261, 267, 279, 286.
Natick 286.
Ojibwa 261, 267, 269, 272, 279,
286.
Ottawa 267.
Passamaquoddy 267, 286.
Penobscot 267, 269, 279.
Peoria 267, 272.
Sauk 267.
Shawnee 267, 279.
independent mode in 28: 259 *sq.*
pronunciation of 28: 227.
references to 28: 225, 239.
relationships of 28: 238, 243.
subjunctive mood in 28: 260.
“suppositif” of the “subjonctif” in
28: 260.
See also Cree-Montagnais; Ru-
pert’s House Cree.
- Montana**
Kiowa formerly in 17: 155.
military posts, etc., in 17: 384.
pictured rocks in 10: 90.
- Montané, Dr. Luis**, collections under
directorship of 34: 248.
- Montauk Tribe**, contacts of the 43:
210.
- Montcalm**
consideration of, for Pontiac 11:
669.
Menomini at fall of 14: 16.
- Monte y Tejada, Antonio del**
diary of Columbus republished by
25: 203.
on Dominican amulets 25: 139.
- Monteith, —**, agreement concluded
by 18: 847.
- Montejo, —**, feats of, in Tabasco
14: 540.
- Monterey, Calif.**, natives of 7: 71.
- Monterey, Tenn.**, standing stone at
42: 834.
- Montesano**, population of 7: 105.
- Montesinos, Fernando**
on lovers’ idol 25: 143.
on Peruvian sacred flour 9: 511.
- Montezuma, Dr. Carlos**
incident relating to 26: 55.
reference to 28: 35.
- Montezuma**
associated with Casa Grande 28:
43, 44.
houses of 26: 24.
known also as Tcuhu 28: 48.
mention of 42: 41.
reference to 28: 46.
See also Motecuhzoma.
- Montezuma Canyon**
archeological work in 40: 3.
mention of 4: 315, 318.
ruins, use of large stone blocks in
8: 147.
- Montezuma, Casa de**
reference to 28: 64, 65.
See also Casa Montezuma; Mocte-
zuma.
- Montezuma Castle, Ariz.**
and Honaki, comparison of 17:
563.
declared national monument 28:
18.
description of 28: 194, 195.
on Beaver Creek 17: 549.
reference to 28: 187.
- Montezuma Dance**, description of
47: 101.
- Montezuma, Hall of**, reference to
28: 68.
- Montezuma Valley**, ruins of 39:
12.
- Montezuma Well**
description of 13: 186.
reference to 28: 187.
ruins at 17: 534, 546 *sqq.*
- Montfaucon, Bernard de**, cited on
girdles of Saliens 9: 559.
- Montgomery, Colonel —**
defeat of expedition under 19: 43.
expedition against Chickamauga
towns under 19: 55.

- Montgomery, Ala.**, vases obtained near 20: 107 *sq.*
- Mon'thiⁿkagaxe Gens**
account of 27: 38, 171-175.
See also names of subdivisions.
- Months**
division of 42: 401.
hieroglyphics for 1: 243.
in Tewa scheme 29: 62-66.
Isleta names of 47: 288.
Mayan, symbols of 19: 714.
method of recording 45: 156.
names of 4: 99; 27: 111, 113; 42: 401, 402; 45: 95.
names of, of the Hopi 15: 256.
naming of 42: 707.
of Mayan "Four Series of Years" 19: 702 *sq.*
of the Hopi 21: 19.
Tsimshian names of 31: 115.
Zuñi names of 23: 108.
- Montigny, M. de**, on the Na'h'tchi and Taensa 7: 96, 97.
- Montmagny**, Great Mountain, name for 4: 170.
- Montoné**, —, on aboriginal Cuban skulls 25: 30.
- Montowere**, sale of land by 18: 614 *sq.*
- Montoya, Antonio**, power of 47: 257.
- Montreal Island**, Iroquoian pottery from 20: 170.
- Monument** marking boundary of Oraibi and Shumopavi 8: 28.
- Monument Canyon**, location of 16: 214.
- Monuments** of the Eskimo 18: 317 *sqq.*
- Mon'wa'dathiⁿ Society**, description of 27: 486.
- Moñwiva**
Hano ceremonies performed at 21: 52, 53.
location of 21: 84.
- Monwû**
appearance of, in Soyaluña 21: 25.
description of 21: 78.
personation of, in Powamû 21: 32.
personation of, in Teivato kiva 21: 30.
- Monwû wüqti**
association of, with Owl kateinas 21: 79.
description of 21: 79.
- Moⁿxe'wathe**, on White Buffalo Hides 27: 284.
- Moⁿ-zhoⁿ-a'-ki-da**, an informant 36: 274.
- Moody, Henry**, material furnished by 24: 262.
- Moon, Karl**, Osage photographs to be furnished by 33: 28.
- Moon**
a sky deity 43: 73, 74.
among the Pima 26:
in mythology 207, 238, 247.
in religion 251.
in song 273, 284, 303.
among the Tlingit 26:
in calendar 426.
in mythology 452, 453.
name of gaming stick 444.
and sun, Eskimo legend of 18: 481 *sq.*
appearance of, in pictures of Hopi kateinas 21: 99, 113.
Arapaho myth concerning the 14: 1006.
as a supernatural being 47: 66.
beliefs concerning the 11: 35, 265, 378, 449, 467, 513; 42: 479 *sq.*; 46: 417, 484 *sq.*; 47: 487.
ceremonies timed by the 42: 551, 553.
characterization of 37: 440.
chronometric use of, by the Eskimo 18: 234 *sq.*
eclipse of the 30: 257 *sqq.*, 296.
Eskimo beliefs concerning inhabitants of 18: 430.
Eskimo shaman's visits to 18: 430.
female deity 37: 286.
folktale of the 14: 209.
greeting to the 30: 257.
Hawaiian ideas of the 33: 637, 638.
in creation legend 27: 570.
in Osage legends 27: 63.
in Tewa conception 29: 45-48, 54, 62.
Indian explanation of the 1: 24.
influence of the, on pottery 30: 257, 302.
man cast into the 32: 697.
mention of the 46: 100, 109.
menstruation due to the 30: 256.
mountains of the 30: 235.

Moon—Continued

- myths concerning the 1: 25; 19: 252, 256 *sq.*, 440, 441; 45: 178.
- names for the, in Pueblo languages 29: 46.
- offerings to, in War Bundle feast 37: 429, 430, 449, 459, 467, 503, 535.
- origin of the 30: 256.
- Osage sacred regard for the 15: 183.
- painting of the 35: 869.
- peculiar influence of the, Omaha, Osage 27: 132.
- personification of the 36: 51
- prayers to the 43: 38
- representation of the, in Hako ceremony 22, ii: 21, 42.
- ritual connected with 47: 330.
- Serian and Yuman names for 17: 341* *sq.*
- sex of the 30: 254, 256.
- shaman in the, Eskimo legend of 18: 515.
- spirit in the 30: 254.
- spots on the 30: 256.
- string figure of the 38: § 651.
- symbol in Borgian Codex 16: 222.
- symbolism of the 14: 905.
- symbolism of the, in Hako ceremony 22, ii: 42.
- symbolized in Shell society 27: 512, 513, 517, 559, 562.
- symbolized in tattooing 27: 506.
- the wild rice, origin of 19: 1089 *sq.*
- time reckoned by the 46: 416.
- worship of, by the Pueblo 15: 259.

Moon Head

- a Caddo Ghost dance leader 14: 903, 904.
- account of 14: 904.

Moon Mother, shrine of the 30: 35.**Mooney, James**

- acknowledgments to 7: 142; 17: 20; 41: 494.
- bulletin by 15: LVIII, LXII, LXV, LXVIII.
- Cherokee pottery collected by 20: 134.
- Cherokee studies of 21: xxix, xxx. cited 42: 740, 785.
- classification of material prepared by 41: 56.

Mooney, James—Continued

- collections made by 20: xxiv; 22, i: xxxix; 23: xli; 33: 36.
- contributor to Bureau 48: 1189.
- death of 41: 73.
- ethnologic research by 32: 14.
- exploration by 15: LXXII.
- field work by 20: xi; 22, i: xii; 38: p. 4.
- investigation of heraldic systems by 23: xvii, xxii *sqq.*, xl.
- list of Cherokee clans by 42: 118.
- manuscript read by 33: 46.
- material collected by 24: 54, 59, 126, 130, 160, 357, 388, 413, 445, 478, 620, 629, 634, 740.
- material furnished by 24: 658.
- mention of 32: 9.
- memoirs by 14: L, LVIII; 17: LXIII *sqq.*, LXVII–LXX, 129–445; 19: xxxvii *sqq.*, 3–548.
- obituary of 48: 1221.
- office work of 20: xix, xxii *sq.*
- on archery game, Kiowa 24: 388.
- on ball race, Cosumni 24: 669 *sq.*
- on Carolina Indians 18: 630.
- on Cherokee and Catawba pottery making 20: 53–56.
- on Cherokee belief 41: 603.
- on Cherokee buffalo 41: 611.
- on Cherokee use of fabrics in pottery making 20: 71.
- on Davies's work 25: 31.
- on dice games, Arapaho 24: 54 *sq.*
- on dice games, Comanche 24: 160.
- on dice games, Kiowa 24: 126 *sq.*
- on eastern Siouan tribes 15: 159, 160, 198, 244.
- on Ghost dance, Sioux 24: 438.
- on hand game, Arapaho 24: 268.
- on hand game, Kiowa 24: 284 *sq.*
- on hidden ball, Jicarilla Apache 24: 345.
- on hoop and pole, Arapaho 24: 442 *sq.*
- on hoop and pole, Cherokee 24: 475.
- on hoop and pole, Jicarilla Apache 24: 449.
- on hoop and pole, Kiowa 24: 478.
- on identification of Querechos 14: 396.
- on Indian customs 11: 396, 542.
- on Indian symbolic colors 11: 532.
- on Kawaika pottery 17: 590.

Mooney, James—Continued

- on Kiowa custom 41: 596.
- on Moiseyu 28: 234.
- on origin of "Grand Tuc" 15: 192.
- on peyote 30: 41.
- on racket, Cherokee 24: 575-587.
- on racket, Passamaquoddy 24: 570.
- on Santee Sioux calendar stick 26: 35.
- on shinny, Arapaho 24: 617.
- on snow-snake, Arapaho 24: 400.
- on tops, Arapaho 24: 733.
- on use of colors by Cherokee 10: 624, 634.
- petroglyphs reported by 10: 99.
- pictographs described by 10: 208.
- plan for Indian Congress at Omaha formulated by 20: XI, XVI.
- publication of memoir by 17: LVI.
- reference to 28: 226.
- reference to photograph by 21: 39.
- researches by 11: XXVI, XXVII, XXXIII; 14: XXXVI, XXXIX, XLV, XLVI; 15: XX, XXII, XXIII, XXV, XXVII, XXIX, XXXVIII, XLI, XLIV, LIII, LIX, LXVI, LXXI.
- specimen collected by 36: 33.
- story of the Cherokee recorded by 42: 773.
- study of fraternities and cults by 19: XLVII.
- systematic research by 33: 17.
- work of 7: XXXIV, XXXV; 8: XXVIII; 9: XXXII, XXXVIII; 10: XV, XVI, XIX, XXI; 13: XXVI, XXXIV; 15: XXII, XXV, XXVII, XXIX, XXXIII, XXXVII, XLI, XLIII, XLVI, XLVII, LII, LVI, LX, LXIV, LXVII, LXXIX, LXXX, XCI; 17: XL, XLIX *sqq.*; 18: XLIV, XLVIII; 19: XV *sqq.*, XXVI, XXIX; 22, i: XXXIV *sq.*, XXXVII; 23: XL; 24: XVI *sq.*, XXV, XXVI, XXVII; 25: X, XIII, XIII *sq.*, XXII; 26: XIII *sq.*, 34 *sq.*; 27: 8, 12; 28: 14 *sq.*; 29: 13; 30: 10, 16, 18; 34: 12 *sq.*; 35: 16 *sqq.*; 36: 12 *sq.*; 37: 7; 39: 13; 40: 4; 41: 6 *sq.*, 31.

Moons or months, origin of Indian names for 19: 1089.

Moonseed 33: 83.

Moore, —

- capture and burning of 19: 48.
- on character of Indian warfare in 1776 19: 53.
- on Cherokee in Civil War 19: 170.
- on Chief N. J. Smith 19: 178.
- on Rutherford's expedition 19: 49, 205.

Moore, Alfred, commissioner to treat with Cherokee 5: 176.

Moore, A. B., collection presented by 41: 116.

Moore, Clarence B.

- acknowledgment to 41: 494.
- excavations made by 41: 602.
- mention of 41: 614; 44: 406, 410, 411.

Moore, C. B.

- acknowledgment to 20: 17, 105, 114.
- discovery by, concerning use of pottery disks 20: 142.
- on occurrence of stamped ware, Florida Peninsula 20: 123.
- on origin of southern burial practices 20: 120.
- on succession evidenced by occurrence of Florida pottery 20: 116.
- on use of perforated disks of clay 20: 43.
- pottery collected by 20: 37, 38, 39, 40, 41, 105, 107, 108, 109, 110, 112, 119, 122, 123, 124, 125, 128, 139, 141.
- tribute to 20: 114.
- work of, in Florida archeology 20: 115.
- work of, in mound exploration 20: 16.
- works on southern pipes 20: 99.

Moore, Charles H., aboriginal workshop on farm of 44: 521.

Moore, C. W., on present use of wild rice by whites 19: 1105.

Moore, Gov. James

- accusation against 19: 32.
- exploration into Cherokee country by 19: 31.

Moore, John Trotwood, mention of 41: 589.

Moore, Col. Maurice, expedition of 19: 33.

Moore, N. H., Menomini treaty commissioner 14: 21.

- Moore, R.**, collection presented by 30: 22.
- Moore, R. D.**,
 mention of 46: 164, 210, 238, 247, 254, 296.
 work of, on St. Lawrence Island 46: 30.
- Moorehead, Warren K.**
 acknowledgments to 20: 17; 36: 27.
 cooperation of 33: 33.
 criticism by, noticed 12: 492.
 exploration by 26: XIII.
 pottery collected by 20: 99, 164, 184, 193.
 theory adopted by 12: 562.
 work by, cited 28: 119.
- Moors**, symbols of 4: 222.
- Moose**
 aids in recovery of man 32: 282.
 and the catfish, folktale 14: 214.
 myth concerning 43: 188 sq.
 people, defeat of the 14: 182.
 sign for 1: 495.
 skin, Eskimo clothing made of 18: 34.
 Tlingit and Haida names for 26: 476.
 Tlingit house group name 26: 400, 401, 404, 407.
- Moose Cree Dialect**, references to 28: 227, 239, 262.
- Moose Dung**, reservation for 18: 828.
- Moosehead Lake**, native name of 43: 189.
- Moosewood**
 use of 44: 289.
See also **Dirca Palustris**.
- Moquelumnan Stock**
 mention of the 7: 92 sq.
 tribes of the 24:
 Aplache 712.
 Awani 143, 630.
 Chowchilla 294, 484, 631.
 Cosumni 669.
 Guimen 248.
 Miwok 143, 596.
 Olamentke 144, 248.
 Olumpali 248.
 Sononi 248.
 Topinagugim 294, 388, 414, 484, 597, 702.
 Tulares 145.
- Moquelumnan Stock**—Continued
 tribes of the 24—continued
 Utchium 248.
 Wasama 485, 631, 659, 670.
- Moqui**
 burial of the 1: 114.
 dolls obtained by Major Powell 3: 105.
 explanation of the name 29: 562.
 masks 3: 76.
 pictographs connected with signs 1: 371, 373.
 pueblos of the 3: XXI.
 references to the 28: 51, 56, 58.
See also **Hopi**; **Moki**.
- Moqui Pueblo**, number names of 19: 876.
- Mora**, *Dimorphandra mora*
 timber of, for boats 38: § 794.
 tree, associated with spirits 30: 228, 232 sq.
 used as substitute, etc., for cassava 38: § 239.
- Mora River**, tributary of the Canadian 14: 397.
- Moraballi**, fish poison 38: § 209.
- Moraceae** 33: 76.
- Moral Characteristics** of the Eskimo 18: 292–309.
- Morales**, —, regulations concerning land grants by 18: 542.
- Morales, Andreas**, on irrigation in Haiti 25: 50.
- Morales, Bachiller y.** *See* **Bachiller**.
- Morality** of the Point Barrow Eskimo 9: 31.
- Morals**
 of the Pima 26: 197 sqq.
 of the Tlingit 26: 427 sq.
See also **Ideals**; **Morality**.
- Moran, J. M.** 46: 370.
- Moran, Thomas**, Canyon de Chelly ruins visited by 16: 80.
- Morancy, F. W.**, aid rendered by 2: 429.
- Moravian**
 among the Cherokee 19: 83 sq.
 mourning 1: 166.
- Moravian Indians.** *See* **Christian Indians**.
- Moravian Missionaries**, cited 6: 463.
- Morchella Esculenta** 33: 63.
- Moré**, wooden bench 38: § 328.

Morel 33: 63.

Morelli, D. Cyriaci

on Quivira 29: 566.

on San Juan 29: 213.

Moreno, Honduras, method of forming numbers 19: 914.

More's Landing, asphalt from 44: 105.

Mores, number of specimens from 34: 50.

Morfi, Padre —

history of Texas by 23: xli.

manuscript history of Texas by, work on translation of 22, i: xxxviii.

Morfi, Juan A. de

on Hopi pueblos in 1782 17: 579.

on Quivira 29: 566.

on settlement of Sandia 17: 584.

Morgan, —, enigmatic objects found by 34: 115.

Morgan, Dr. F. P.

cited 30: 41.

physiologic tests of peyote by 17: l.

Morgan, Col. Gideon, part taken by, in Creek War 19: 90, 91, 94 *sqq.*

Morgan, Mrs. Hattie, mention of 43: 213.

Morgan, Hon. John T., petition presented by 27: 639.

Morgan, Lewis H.

cited 12: 565, 601, 622, 705.

cited on clans 42: 118.

cited on terms of relationship 42: 81, 83, 84, 87, 88.

derives mound-builders from Pueblo tribes 12: 599.

exploration of Iroquois province by 20: 159.

information obtained by 44: 191.

list of clans given by 37: 191.

Mandan ladder described by 8: 158.

on adobe 14: 520.

on agreement with Cherokee (1892) 19: 153.

on antiquity of wampum 2: 235.

on Atsina signs 1: 312.

on burial dance 1: 192.

on celts in wood-working 13: 83.

on Cherokee-Iroquois wars 19: 352, 485, 492.

on Chickasaw clans 19: 499.

on Chief N. J. Smith 19: 178.

95719°—33—44

Morgan, Lewis H.—Continued

on Choctaw clans 19: 500.

on Crow Indian gentes 15: 243.

on Dakota houses 15: 172.

on distance between Cherokee and Iroquois countries 19: 485.

on East Cherokee schools 19: 176.

on grooved stones 13: 95.

on Hidatsa gentes 15: 242.

on Indian migrations 12: 614.

on Iroquoian migrations 19: 189.

on Iroquois 19: 485.

on Iroquois chert arrowheads 13: 144.

on Iroquois chungke stones 13: 99.

on Iroquois games 24: 113–116, 411 *sq.*, 422.

on Iroquois masks 3: 144.

on Iroquois myths 19: 432, 447, 471.

on Iroquois wood-working 13: 72.

on kinship nomenclature 15: 176, 204.

on Mandan gentes 15: 241.

on Muscogee clans 19: 499.

on origin of Buffalo dance 19: 485.

on origin of word "wampum" 2: 239.

on partial scaffold burial 1: 169.

on primitive marriage 17: 284*.

on savagery and barbarism 20: 24.

on Seneca and Cayugan use of mortars 13: 96.

on Seneca games 24: 410 *sq.*, 476 *sq.*, 562, 592 *sqq.*, 805.

on Tesuque 29: 387.

on the wikiup 13: 275.

on trap door frames in Las Animas ruins 8: 206.

on use of beveled arrows 13: 177.

on uses of wampum 2: 235.

on wampum belts 2: 249.

on wampum records 2: 241.

on Yontoñwisas dance 19: 492.

reference to 40: 377, 502.

theory of, as to clans 17: 227.

work of 2: xviii.

Morgan, Miss Mary V., mention of 43: 213.

Morgan, T. J.

acknowledgment to 14: 655.

Morgan, T. J.—Continued

- on cause of Sioux outbreak 14: 825, 829.
- on flight of Sioux to Bad Lands 14: 851.
- on mortality at Wounded Knee 14: 871.
- on reduction of Sioux rations 14: 827.
- on Wounded Knee massacre 14: 870.
- tour of inspection by 14: 900.

Morgan, Washington, attempt to enlist East Cherokee by 19: 168 sq.

Morgantown, W. Va., petroglyphs near 10: 124 sq.

Morice, Father A. G.

- on dice game, Takulli 24: 97.
- on hand game, Takulli 24: 272 sqq.
- on hoop and pole, Takulli 24: 460 sq.
- on snow-snake, Takulli 24: 409.
- on stick games, Takulli 24: 236 sqq.
- on unclassified games, Takulli 24: 781 sq.
- reference to 41: 133.

Morin, —, 46: 332.

Morley, Sylvanus G.

- memoir by 34: 23; 36: 31; 37: 27.
- on Puye 29: 237.
- reference to 29: 410.

Mormon

- and Pueblo building, comparison of 8: 148.
- settlers in Arizona, reference to 28: 114.
- Tewa name for 29: 575.
- town, reference to 4: 287.

Mormon Battalion, work of 26: 30.

Mormons

- and the Ghost dance 14: 792.
- belief of, regarding the Indians 14: 703.
- canal at Tempe built by 26: 63.
- conversions of Indians by 14: 790.
- effect of, upon development of Moen-kopi 8: 77.
- endowment robe of the 14: 790.

Mormons—Continued

- establishment of wooden mill at Moen-kopi by the 8: 78.
- fort built by, at Moen-kopi 8: 184.
- invitation of the, to Pima 26: 54.
- lock and key contrivance of 8: 187.
- or Latter Day Saints by Lieut. J. W. Gunnison, cited 4: 251.
- petroglyphs near Manti, Utah, as interpreted by 10: 118.
- reference to the 27: 626.
- Smohalla among the 14: 719.
- treatment of Indians by 14: 818.
- Morning chant** of Sayataca 47: 756-762.

Morning Glory, Bush 33: 110.

Morning Green, Pima chief 28: 33, 42, 45-48.

Morning Star

- a life symbol 36: 109, 119.
- a sky deity 43: 73.
- characterization of 37: 440.
- first appearance of, to the A'shiwi 23: 27.
- in Pima religion 26: 252.
- Indian name for the 42: 478.
- legend of the 30: 140, 260.
- offering to, at War Bundle feast 37: 430, 469, 536.
- proceedings following rising of 23: 130, 131.
- spirit associated with war 37: 286 sq.

Morocot Fish

- basketry pattern of 38: § 444.
- catching of 38: § 188 sqq.

Moronobea Coccinea

- for stone-chip graters 38: § 335.
- resin of 38: § 23.

Morrill, O. T., survey by 18: 940.

Morris, —

- collection by 19: xxi.
- Indian policy of 18: 582.
- on mystical numbers 19: 835.

Morris, Earl H.

- contributor to Bureau 48: 1189.
- note on paper by 33: 39.
- paper by 37: 27; 39: 24; 40: 17.
- work of 42: 5 sq.

Morris, Robert

- assignee of 18: 663.
- sale of land to 18: 658.

Morris, S. H., collection presented by 28: 21.

Morrison, A. L., report by, on Casa Grande 15: 326 sq.

Morrison, Charles C., on Pojoaque 29: 335.

Mors, use of 44: 320, 378.

Morse, —

on Blackburn's school 19: 84.

on election of C. R. Hicks as chief 19: 113.

on missions among Cherokee in 1820 19: 105.

Morse, E. S.

on dolmens in Japan 1: 115.

on Japanese sign 1: 442.

Morse, Rev. Jedidiah

commissioned to study Indian tribes 48: 1187.

on absence of wild rice immediately south of Lake Superior 19: 1034.

on Comanche loss from smallpox 17: 168.

on death of Tomau 14: 55.

on dependence of fur traders on wild rice 19: 1103, 1104.

on destruction of wild rice by storms 19: 1100.

on early conquest of Sauk and Fox territory by Menomini 19: 1050.

on influence of nourishing food on increase of population 19: 1109 sq.

on influence of wild rice on geographic nomenclature 19: 1116, 1121, 1123.

on Isleta 29: 529.

on maple-sugar making 14: 287.

on Menomini food 14: 290.

on Menomini land claims 14: 21.

on Menomini marriage 14: 35.

on Menomini population 14: 33; 19: 1049.

on Menomini thrashing wild rice 19: 1068.

on Oneida and Stockbridge Indians 19: 1111.

on popular synonym for wild rice 19: 1023.

on Sauk and Fox expulsion 14: 19.

on Winnebago population 19: 1053

work accomplished by 14: 22.

Mortality

among children 46: 513.

of trephined subjects 16: 68.

See also **Death**.

Mortar

and pestle, collection of 5: xxxi.

and pestle, Guiana Indian 38: § 380 sqq.

character of, in cliff houses 16: 127, 140, 160.

described and figured 15: 103.

distribution of 15: 141.

excessive use of, in ancient villages 13: 249.

found at Little Falls 15: 68.

from Pueblo Viejo ruins, description and figure of 22, i: 184, 185.

how finished 15: 26.

of adobe mud 8: 137.

source of, in cliff house building 16: 126.

substitute for, among Pueblo Indians 14: 520.

wooden, Nehantic 43: 209.

wooden, Pequot 43: 208.

See also **Adobe; Masonry; Mortars; Plastering**.

Mortar Box, Kwakiutl 35: 270.

Mortars

and pestles, stone 2:

from Tesuke 410.

from Wolpi 377.

from Zuñi 340.

and pestles, use of, Creek 42: 689.

Casa Grande, description of 28: 123, 127 sq.

collection of Indian 3: 522.

described and figured 13: 96.

for grinding paint, from Pueblo ruins on Little Colorado River, finding of 22, i: 104.

found in Awatobi 17: 626.

from Guadeloupe 34: 134 sq., 152 sqq.

general description of, Antillean 25: 105-108.

mention of 44: 68, 74-79.

occurrence of objects resembling, Florida Peninsula pottery 20: 124.

of Porto Rican area 34: 221-226.

of the Menomini 14: 257.

of the Omaha 13: 276.

ordinary forms of 34: 221.

resembling a bat 34: 131.

stone 45: 217.

three-pointed stones interpreted as, Antillean 25: 128, 129.

Trinidad 34: 68.

Mortars—Continued

used by Eskimo in preparing snuff
18: 272.

used in Pueblo households 8: 212.
wooden 25: 210 *sq.*; 45: 43, 217.

See also Grinders; Mortar; Pestles.

Mortier, Corneille, maps published
by 17: 63 *sq.*

Mortillet, Gabriel de

mention of 46: 175, 332, 333, 349,
371.

quoted 4: 252.

Mortised Door in Zuñi house 8:
110, 186.

Morton, C. V., botanical specimens
identified by 48: 7.

Morton, R. H., acknowledgment to
18: 644.

Morton, S. J. 46: 231, 232, 237,
330, 333, 371.

Morton, Thomas

on New England pots 20: 179.

on use of shell money 2: 236.

Mortuary

ceremonials, Menomini 14: 73.

dance of the Northwestern Indians
14: 728.

fabrics, preserved in caves 13: 29, 30.

feast, Eskimo 18: 363-379, 424 *sq.*

feast, Kiowa 17: 328.

feast, Menomini 14: 69.

feast, Ojibwa 14: 68.

objects in Sikyatki graves 17: 650,
656.

practices 4: 197-202; 10: 517-527.

remains in Awatobi 17: 617.

sacrifice by Prairie tribes 14: 782.

slabs from Sikyatki 17: 732.

terms, Eskimo 18: 310.

use of sacred paint 14: 879.

vessels, food remains in 17: 741.

wrappings 13: 26.

See also Mortuary Customs; etc.

Mortuary Customs

and beliefs 11: 143, 178, 191, 271.

burial 28:

among Pima 109, 117, 118, 155.

at Casa Grande 93, 106, 108 *sqq.*,
111, 117, 127, 155.

in Walnut Creek region 210, 211,
220.

cremation 28:

at Casa Grande 109 *sq.*, 111, 117,
155.

Mortuary Customs—Continued

cremation 28—continued

distribution of 117, 118, 220.

for children 40: 321, 453-461.

general 40: 329-335, 344, 351-496.

list of works treating on 40: 344,
355 *sq.*, 373 *sqq.*

mention of 3: xxix; 44: 249.

miscellaneous 40: 463.

observed by widow 40: 360, 485-491.

observed by widower 40: 435-451.

of the Antilleans 25: 69-72, 202.

of the Borinqueño 25: 80, 82 *sq.*,
84, 217.

of the Caribs 25: 213.

of the Cheyenne 14: 1027.

of the Creeks 42: 511, 513, 664,
687, 696, 699, 700 *sqq.*

of the Eskimo 9: 423-427; 18:
310-327.

of the Haitians 25: 212 *sq.*

of the Hohokam 26: 194.

of the Hopi 15: 312; 17: 648, 656.

of the Kansa 15: 232.

of the Louisiana tribes 13: 21.

of the Menomini 14: 68 *sq.*, 239 *sqq.*

of the Mohave 26: 195.

of the Navaho 17: 487.

of the North American Indians 1:
xxvi.

of the Orinocans 25: 83, 217.

of the Parthians, Medes, etc. 1: 104.

of the Persians 1: 104.

of the Picuris 43: 389-393.

of the Pima 26: 193 *sqq.*

of the Seri 17: 11 *sq.*, 212* *sq.*,
287*-295*.

of the Tlingit 26: 429-434.

of the Zuñi 13: 336, 359, 365; 23:
305-317.

of various tribes 40: 372.

study of 19: xv, xvii.

work on, discussion of 2: xxiii.

*See also Adoption Customs; Adop-
tion Feasts; Burial Customs;
Burials; Corpse; Cremation;
Dead; Funeral Customs;
Ghosts; Grave Digging; Grave
Poles; Grave Posts; Mourning
Customs; Rites and Ceremo-
nies; Widowers; Widows.*

Mortuary Pottery

Eastern United States 20: 23 *sq.*,
25, 33, 37-43.

Mortuary Pottery—Continued

- Florida Peninsula 20:
 decoration of 123.
 mention of 116, 119 *sq.*, 124 *sq.*
 possible analogues of, elsewhere 124.
 Gulf Coast 20: 104, 106, 108, 109,
 110, 111, 112.
 mention of 4: 272, 372.
 Middle Mississippi Valley 20: 83,
 85, 96 *sq.*, 99, 101.
 New Jersey-New England province,
 rarity of 20: 175.
 Northwestern province 20: 192, 196.
 Piedmont-Virginia 20: 150.
 Potomac-Chesapeake region, absence
 of 20: 150.
 South Appalachian province 20:
 mention of 131, 132 *sq.*, 136.
 perforation of 106, 109, 119.
See also Burials; Uses.
- Morude, Mrs.** —, statement of, regard-
 ing age of stone graves, Randolph
 County, Illinois 12: 163.
- Morus Rubra**, medicinal use of 42:
 659.
- Mo-rutu**, knapsack 38: § 450.
- Morzhovoi** 46: 189.
- Mosa or Mossa**, bead apron 38:
 § 550.
- Mosack.** *See* Masac.
- Mosaic**
 ornaments from Pueblo ruins, char-
 acter of 22, i: 85 *sq.*
 work, references to 28: 131, 144.
- Moscosa**, tradition ascribes Old Town
 works, Phillips County, Ark., to,
 and remnant of De Soto's army
 12: 234.
- Moscoso**, distribution of slaves by
 25: 23.
- Moseley, H. N.**, visit of, to Zuñi 5:
 540.
- Moses**
 a Nez Percé priest 14: 713.
 appointment of peace towns by 19:
 207.
 chief of the Isle de Pierre 14: 734.
 encounter of, with Smohalla 14:
 718.
 in Cherokee myth 19: 236, 428 *sq.*
 Smohalla's belief concerning 14:
 721.
- Moses, Bernard**, on Casa de Contra-
 tacion 14: 351.

- Moses' Band** land cessions and reser-
 vations 18: 894, 898, 910, 912,
 916, 920.
- Moses People**, basketry of 41: 230.
- Mosher, Lieutenant** —, petroglyphs re-
 ported by 10: 51.
- Mosilili.** *See* Rattle.
- Moskoouis.** *See* Creeks; Muskogee.
- Mosman, Mrs. A. T.**, clay articles
 loaned by 10: xxii.
- Mosquito Dance**
 jokes played in 42: 534.
 mention of 42: 523.
 of the Kwakiutl 35: 1034.
- Mosquito Indians**
 burial superstition of 1: 201.
 canoe burial in ground of 1: 112,
 113.
- Mosquitoes**
 mention of 38: § 933; 46: 41, 47,
 52, 56, 57, 60, 61, 64, 71, 72, 73,
 77, 78, 112, 129.
 myth concerning, Cherokee 19:
 444.
 mythic origin of 11: 264.
 numbers of 19: 877, 881, 931.
 origin of, Kwakiutl 35: 1233.
 origin of, Tsimshian 31: 470.
 protection against, by tallow 35:
 205.
 string figure of 38: § 695.
- Moss, Capt. John**, on Ute pottery 4:
 276, 319.
- Moss**
 Eskimo decoys made of 18: 132.
 mythic origin of 14: 164.
 place named for 30: 86.
- Moss, Black Tree**, used for food 45:
 90, 482.
- Mossi, club** 38: § 153.
- Mossuck Family**, descent of 43:
 209.
- Mota-Padilla, Matías de la**
 acknowledgments to 14: 414.
 description of Cibola by 14: 483.
 historian of New Galicia 14: 375.
 on Acoma 29: 543.
 on Chichilticalli 14: 487.
 on Coronado's route from Culiacan
 14: 386.
 on death of Friar Juan 14: 401.
 on death of Samaniego 14: 480.
 on discovery of Colorado River 14:
 407.

Mota-Padilla, Matías de la—Contd.

- on Galisteo 29: 482.
- on Indian giants 14: 485.
- on Pecos 29: 476.
- on Puaray 29: 524.
- on Quivira 29: 566.
- on stories told by Turk Indians 14: 492.
- on Torre's administration 14: 474.
- quotations from writings of 14: 476, 477, 479, 480, 483, 486, 487, 492, 497, 498, 500, 504, 506, 511, 518, 519, 520, 521, 522, 523, 530, 531, 535, 538, 543.

Mota's Band

- cession of reserve by 18: 754, 762.
- reservation for 18: 742.

Moterell, name of reservation 42: 37.**Moth**

- designs, absence of, on Pueblo pottery 22, i: 81.
- figures on Sikyatki pottery 17: 678 *sqq.*
- myths and lore concerning 19: 310, 438.
- or butterfly, Pueblo symbol for 22, i: 105.

Mother

- application of the term 42: 80, 92.
- sign for 1: 479.
- special instructions to 43: 54 *sqq.*

Mother-in-law

- application of the term 42: 82, 84, 92.
- attitude toward 42: 451.
- custom concerning 42: 700.
- taboo concerning 30: 344; 45: 172; 46: 503, 504.

Mother-of-all-the-Earth, references to 40: 381, 395, 401, 533.**Motherwort, medicinal use of 43: 265, 266.****Motion, discussion of 19: LVI *sq.*****Motion Pictures of Pueblo industries, etc., work of O. P. Phillips on 22, i: XIII *sq.*****Motions relative to parts of the body in sign language 1: 393.****Motive**

- for primitive trephining 16: 63.
- to frauds 4: 247.

Motives

- classification of 20: xxx.

Motives—Continued

- in primitive decoration 20: 64 *sq.*
- See also Decoration.*

Motolinia, T. de, correspondence of, with friars accompanying Coronado 14: 413.**Motsai', a Comanche band 14: 1045.****Motul**

- dictionary, transcription of 25: xi.
- Mayan dictionary of 21: xxvi.
- Mayan dictionary of, photostat copy of 34: 31.

Motul, Diccionario de, work on translation of 22, i: xxxiii.**Moty Tiger**

- head chief 42: 331.
- second chief 42: 331.

Motzfeldt, J., on amounts of wild rice harvested by the Ojibwa 19: 1074.**Moulds**

- used by Navaho silversmiths 2: 173.

*See also Molds.***Moulton, —, on New York's Indian policy 18: 586 *sq.*****Moultrie Creek, treaty of 18: 704 *sqq.*****Mound**

- at Casqui, mention of 42: 175.
- building, post-Columbian continuance of 20: 120.
- Cahokia, examination of 13: xxix.
- Monk's, examination of 13: xxix.
- nomenclature heretofore given, a hindrance to legitimate archeology 12: 604.
- of elk horn 46: 398.
- sand burial, of Calusa origin 48: 4.
- surrounding Casa Grande 13: 300.
- use of, with sweat-lodge 14: 822, 981.

*See also Mound Builders; Mounds.***Mound Builders**

- adopted several modes of burial 12: 17.
- and Indians cultivated maize 12: 683.
- and Indians, links directly connecting 12: 688-706.
- and Indians made and used pipes 12: 687.
- and Indians used shell gorgets 12: 686.

Mound Builders—Continued

- and Indians used shell pins as ear ornaments 12: 686.
- and Indians, work of, compared 12: 659.
- architecture of 12: 660-666.
- art of *v.* Indian art 2: 167.
- burial customs of, compared with those of the Indians 12: 671-679.
- carvings of 2: 117.
- character of pottery of 13: 12.
- Cherokees were 12: 18.
- chief seats of power of, in the Gulf States 12: 719.
- conclusions as to period of 5: XLII.
- conclusions as to who were the 5: XLI, XLII, 9, 58, 79, 80, 86, 97.
- considered by many as one people 12: 602.
- consisted of numerous tribes 12: 17, 528, 706.
- cremation by, doubtful 12: 675, 676.
- early ideas concerning 20: 22.
- fortifications of, compared with those of the Indians 12: 667-671.
- general observations respecting 12: 595.
- houses of the 12: 17, 203, 208, 227, 229, 587, 661-664.
- identification of the 13: L.
- made use of fiber in burial ceremonies 12: 17.
- Mayas were not the 12: 18.
- mention of 4: 406; 25: 231.
- methods of, in art 2: 149.
- Mexicans were not the 12: 18.
- mode of lathing houses by 12: 206, 209.
- not addicted to human sacrifice 12: 676.
- of Ohio, identity of 20: 183, 194.
- of Mississippi Valley 28: 15 *sq.*
- often buried dead in a sitting posture 12: 674.
- probably Cherokee 5: 87-107.
- probably practiced burning captives 12: 676.
- probably tortured captives 12: 676.
- Pueblo tribes were not the 12: 18.
- relation of, to the Indians, discussion of 12: 595-730.
- removed flesh before burial 12: 17.

Mound Builders—Continued

- section of, defined 12: 524.
- shell ornaments of, similar to those of the Indians 12: 684.
- skill of, in sculpture 2: 148.
- structures of, mound containing fragments of 12: 400 *sq.*
- study of the 13: XLV.
- usually interred their dead 12: 672.
- wars among, proof of tribal divisions 12: 603.
- were Indians 12: 610.
- were they Indians? 12: 596.
- works of, compared with those of the Indians 12: 651, 659-671.

Mound Burial

- Choctaw 1: 120.
- Creek 42: 701.
- Florida 1: 119, 120.
- Miami Valley 1: 120.
- mention of 1: 115.
- Ohio 1: 117, 118.

Mound Canyon, Ariz., petroglyphs in 10: 51.**Mound Explorations 5: xx *sq.*; 7:**

- xvi *sqq.*; 9: xxv *sq.*; 10: x *sq.*, xxii; 11: xxv; 13: xxii, xxvi; 15: xx, xxiv, xxvii, xxxvi, XLII.

Mound Prairie, west group 37: 91.**Mound Villages, Utah 4: 287 *sq.*****Mounds**

- absence of 46: 576.
- age of 12: 626, 627; 37: 79, 84 *sq.*
- and other ancient work, various types of 12: 602.
- animal 2: 152.
- artificial, in center of settlements 42: 174 *sq.*
- at Casa Grande, general description of 28: 86 *sq.*
- bone implements from 12: 153, 382.
- buildings on 41: 501.
- builders of 37: 76.
- burial in 5: 3-119; 44: 416-421, 424, 427, 447 *sqq.*, 453-463, 465 *sq.*
- character of pottery of 20: Florida Peninsula 117.
- Gulf Coast 104, 106.
- Middle Mississippi Valley 82.

Mounds—Continued

- Cherokee legends concerning 19:
395 *sq.*, 501 *sq.*
- Chickasaw explanation of 42: 64.
- Chickasaw name for 44: 178.
- clay casts of maize from 12: 205, 207.
- conical, definition of 12: 29.
- conical, excavation of 44: 415.
- conical, in rows or lines 12: 537.
- connected (chain mounds) 12: 52,
536.
- containing altars (so called) 12:
130, 570.
- containing evidence of contact with
European civilization 12: 18, 42,
45, 51, 59, 65, 67, 73, 78, 80, 120,
154, 163, 274, 275, 314, 319-324,
337, 371, 376, 393, 398, 403, 431,
486.
- copper articles from 12: 76, 81,
145, 285, 303-307, 309, 320, 324,
336, 338, 339, 351 *sq.*, 376, 383,
710-714.
- cultivation of surface of 41: 574.
- description of 41: 499 *sqq.*, 509
sq., 559 *sq.*, 561 *sq.*, 588 *sq.*, 590.
- destruction of, by badgers 33: 185,
188.
- distribution of 37: 77, 78.
- dome-shaped or beehive vaults in
12: 554.
- dome-shaped or conical 44: 414.
- double 12: 253, 254.
- effect of earthquake on 12: 199.
- elongate or wall-like 12: 30, 35, 55,
533, 534.
- engraved shells from 3: 61, 62;
12: 306, 307, 338, 339, 376, 377,
383, 384, 402, 575.
- European pottery from 12: 321,
326.
- examination of 43: 13 *sq.*
- excavated near Safety Harbor, Fla.
47: 2.
- excavation of, at Lacooche, Fla.
47: 2.
- excavation of, in Cuba 34: 247.
- explorations in 3: xxiv; 14:
xxxvii; 41: 38.
- fires at erection of 41: 499 *sq.*
- fish-shaped vessels from 12: 192.
- flat-topped, purpose of 44: 449.
- glass from 12: 163, 275, 321.
- gourd-shaped vessel from 12: 190.

Mounds—Continued

- great number of 44: 410.
- houses of chiefs placed on 12: 649,
650.
- Illinois 1: 118, 119.
- image vessels from 12: 188, 205,
221, 235, 237, 263, 279.
- in Alaska 46: 172, 183, 184, 206.
- in Allen County, Kansas 44: 488-
491.
- in Mason County, Ky. 42: 755 *sq.*
- in northern Honduras 19: xli *sq.*
- in vicinity of Alexandria, La. 44:
409.
- investigated by Dr. Roberts 47: 6.
- iron articles from 12: 163, 274,
275, 319, 320, 337.
- iron knife from 12: 275.
- Mexican 25:
near Antigua 243, 244.
near Tampico, general remarks
271-275.
near Tampico, ruins near Altamira
276.
near Tampico, ruins near Cham-
payan lagoon 277.
near Tampico, shell heaps 275.
types of 271.
- moccasin-shaped pot from 12: 376.
- mode of depositing dirt in, shown
12: 270-274.
- near Barrow 46: 166, 169.
- near Burton Mound 44: 68.
- near Kimmswick, Mo. 44: 487 *sq.*
- near Marksville, La. 44: 406, 410-
433.
- near Pikeville, Tenn. 42: 838.
- near Shreveport, La. 44: 406 *sqq.*
- near Waverly, Ohio 44: 499-505.
- number of, explored 12: 23.
- occurrence of European wares in
20: 120, 130.
- of Santa Rita 19:
characteristics of 663 *sqq.*
classification 662 *sq.*
paintings on the walls of 665-670.
- of stone 1: 118; 12: 544.
- of the Caddo 44: 405, 408.
- of the Iowas 12: 110.
- of the Natchez 44: 405.
- of the Ohio district, wholly or partly
of stone 12: 568, 569.
- of the Potawatomis 12: 110.
- of western Utah 36: 24 *sq.*

Mounds—Continued

- on Grand Island 46: 71.
- on Hog Island 44: 437.
- on Menomini reservation 14: 36, 37.
- on Old River 44: 411.
- opinions regarding the origin of 12: 597.
- Otowi canyon 26: xx.
- owl-shaped vessels from 12: 191, 386.
- pipes from 12: 233, 235, 323, 325, 338, 339, 340, 341, 353, 354, 382, 402, 403, 427, 573.
- pottery from 4: 370, 415, 429, 434, 446.
- purpose of erection of 44: 406.
- scissor-blade from 12: 274.
- shell beads from 12: 324, 326, 336, 337, 340.
- shell masks from 12: 376, 384.
- shell pins from 12: 376, 377, 402.
- shell-shaped vessel from 12: 259.
- silver articles from 12: 51, 52, 67, 275, 501.
- singular vaults in 12: 116, 334, 335, 352, 353, 417, 554.
- skeletal remains of 46: 318.
- stages in erection of 41: 562.
- stone images from 12: 308, 361.
- stone spools from 12: 225.
- subsequent use of, by Indians 12: 706.
- towns indicated by 42: 789.
- use of 41: 510; 42: 176.
- use of, as places of refuge in times of overflow 12: 626.
- types of 37: 79.
- works on subject of 37: 76.

See also Alexander Mound; Altpeter Mounds; Bear or Effigy Mound; Bingham Mounds; Burial Mounds; Circular Mounds; Composite Mounds; Conical Mounds; Dumbbell Mounds; Effigy Mounds; Hog Island Mound; Intaglio Mound; Kumlien Mound; Le Sellier Mound; Linear Mounds; Man Mounds; Middens; Noe Springs Mounds; Oral Mounds; Shellheaps; Tadpole Type; Turtle Mounds.

Mount Carbon, W. Va., Indian remains at 42: 755.

Mount Gilboa, caves of 34: 11, 83.

Mount Graham

terraces on 26: 89.

See also Graham, Mount.

Mount Grant, Paiute name of 14: 1050.

Mount Hope, references to 28: 207, 208 sq.

Mount Mitchell, myth concerning 19: 432.

Mount Pleasant, *Tuscarora* chief, statement by 12: 512.

Mount Pleasant, W. Va., rock carvings at 4: 22.

Mount Royal, Fla., finding of mortuary pottery at 20: 124.

Mount Sterling, Ky., site of prehistoric town 42: 786.

Mount Vernon

quarry-shop blades at 15: 79.

village sites near 15: 71.

Mountain ash, use of, as food 45: 486, 488.

Mountain Dweller, in Tlingit mythology 26: 432, 433, 460.

Mountain Giant, a supernatural 47: 344.

Mountain Goat

as tribute to chief 35: 1334.

butchering of 35: 428, 441.

fat of 35: 436.

horns of, seen by Coronado 14: 387.

house of 35: 1224.

kidney fat of 35: 429.

meat of, boiled 35: 437, 445.

meat of, cooking of 35: 441.

meat of, roasted 35: 443.

meat of, steamed 35: 439.

plucking of wool of 35: 443.

stomach fat of 35: 432.

Tlingit crest animal 26: 415, 416.

wool of 35: 660, 661, 662, 663, 672.

Mountain Goats, Feast of, Tsimshian 31: 131-135.

Mountain Leader, Chickasaw chief 42: 812.

Mountain Leader's Trace, road called 42: 812.

Mountain Lion

fetish from Sikyatki 17: 730.

fetish, Zuñi 2: 25, 40.

Mountain Lion—Continued

- figure on pottery 17: 671.
- figure possibly representing Miami Valley ware 20: 185.
- in Hopi mythology 17: 545.
- in Pima mythology 26: 232, 234.
- in Tewa conception 29: 43.
- skin, appearance of, in pictures of Hopi kateinas 21: 66, 90, 96, 106.
- See also* **Lion**; **Puma**; **Toho**.

Mountain Mint

- use of 44: 290, 318.
- See also* **Koellia Virginiana**.

Mountain Pueblo, derivation of Türkwinû from 21: 105.**Mountain Sheep**

- account of 26: 82.
- figure of, on pottery 17: 669, 671.
- idols in form of 28: 121 sq.
- meat of, an article of trade 26: 93.
- name of Tlingit gaming stick 26: 444.

Mountain-sheep Clan, mention of 19: 596.**Mountain-sheep Katcina**. *See* Pañwû.**Mountain Spirits**

- account of 30: 235-240.
- belief in 30: 154.
- origin of 30: 154.

Mountain Village

- below Paimute 46: 68, 81, 141.
- Lower Yukon 46: 73.

Mountaineer. *See* Türkwinû.**Mountains**

- association of, with supernatural beings 31: 461.
- sacred to the 29:
 - Picuris Indians 339.
 - San Juan Indians 222.
 - Taos Indians 178.
 - Tesuque Indians 389.
 - Tewa Indians 124, 348.
- string figure of 38: § 698.
- See also* **Cardinal Mountains**; and names of different mountains.

Mourelia, for snake bite 38: § 929.**Mourera Fluvialis**. *See* Weya.**Mourners**, hired 42: 383.**Mourning**

- among the Kiowa 17: 363.
- among the Seri 17: 12, 292*,
- ceremonies 1:
 - Chippewa 184.

Mourning—Continued

ceremonies 1—continued

- Crows 183, 184.
- Indians of Northwest 179.
- Sioux 109, 110.
- cradle, Chinook 1: 181, 182.
- cradle, engraving of 1: 181.
- death and, Guiana Indian 38: p. 638-665.
- facial painting as a sign of 40: 38, 364, 507.
- fasting as observance of 40: 37, 38, 117, 173, 507.
- hair cut as a sign of 35: 603.
- mention of 4: 197.
- observance of, Fox 40: 331, 344, 360, 435-451, 485-491.
- observances, Twana and Clallam 1: 176.
- period of, Fox 40: 360.
- period of, Winnebago 37: 146, 150, 153.
- restrictions during 30: 296.
- sacrifice, feasts, food, etc 1: 183.
- See also* **Mortuary Customs**; **Mourning Customs**; and references there.

Mourning Customs

- general account of 27: 495 sq.
- in He'dewachi 27: 253.
- of the Assiniboin 46: 556, 571, 572, 575.
- of the Chickasaw 44: 231 sq.
- of the Coeur d'Alène 45: 175.
- of the Creeks 42: 182, 353, 378-384, 393, 396, 397, 398, 699, 702.
- of the Eskimo 9: 425.
- of the Menomini 14: 241.
- of the Osage 39: 41 sq.
- throwing locks of hair on the dead 27: 124.
- See also* **Burial**; **Funeral Customs**; **Mortuary Customs**; etc.

Mourning Song

- for Mōda'na 35: 1292.
- no mention of, Tsimshian 31: 443.

Mouse

- among the Pima 26:
 - as food 80.
 - disease caused by 263.
 - in mythology 387.
 - in song 314, 315.
- among the Tlingit 26:
 - crest animal 417.

Mouse—Continued

- among the Tlingit* 26—continued
- in witchcraft 471.
- popular notions concerning 471.
- source of personal names 422.
- beliefs concerning 11: 273.
- in Menomini myth 14: 182.
- skin, Eskimo toys made of 18: 345.
- used to convey boy 32: 554.

Mouse Dance, Kwakiutl 35: 1018.**Mouse-Woman** 35: 1163.**Mouse-wood**, Indian use of, in weaving 13: 23.**Mouth**

Indian 46: 243.

Western Eskimo 46: 213-227, 243, 249, 252.

See also **Mouths**.**Mouth-at-each-End** 31: 59.**Mouth of Nass River**, origin of name 31: 100.**Mouthpiece** for Eskimo drills 9: 179.**Mouths**

Eastern United States pottery 20: 62.

Florida pottery 20: 127.

Iroquoian pottery 20: 160 *sq.*

Middle Atlantic Coast pottery 20: 151.

Northern pottery 20: 187.

See also **Forms; Mouth; Rims**.**Mouzon's Map**, Cherokee towns on 5: 143.**Mowry**, —, report on boundaries by 18: 789.**Mowry, Lieut. Sylvester**

on American debt to Pima 26: 19.

on gifts to Pima and Maricopa 26: 31 *sq.*

on Pima in war 26: 165, 201.

on Pima irrigation 26: 32.

Mox. *See* **Imox**.**Moxic day symbol**, discussion of 16: 232.**Moxin**. *See* **Imox**.**Moyer, C. D.**, mention of 46: 102, 114.**Moytoy**, "emperor" of the Cherokee 19: 35.**Mozee, B. B.**, mention of 46: 31, 36.**Mozobodo**, Ojibwa treaty signer 14: 28.**Muache Uta** land cessions and reservations 18: 848, 892, 894.**Mucaias**, appearance of, in Palülü-koñti 21: 52.**Mucaias Mana**

derivation of 21: 126.

description of 21: 92, 93.

Mucaias Taka

derivation of 21: 126.

description of 21: 92.

part taken by, in Pamürti festival 21: 29.

Mucaisti

description of 21: 30, 31.

See also **Buffalo Dance**.**Much**

pictograph for 10: 596.

signs for 1: 446.

Muck Rose. *See* **Maukekose**.**Muckkahtahmoway**. *See* **Mackah-tahmoah**.**Muckkose**. *See* **Maukekose**.**Muckleshoot**, population of 7: 105.**Muckleshoot Reserve**

change in 18: 872.

establishment of 18: 818.

Mudplastering the head with, by Indians 9: 475 *sq.*

symbolic use of 39: 164.

to withstand mosquitoes 38: § 933.

walls of, in the southwest 23: xxix.

Mud-Potato Clan, story concerning 42: 109.**Mud-Puppy**. *See* **Water Dog**.**Mudheads**

appearance of, in Hopi festivals 21: 46.

appearance of, in pictures of Hopi kateinas 21: 107.

participation in Powamû festival by 21: 32, 33.

same as Tateuktû 19: 631.

See also **Clowns; Paiakyamû**.**Mudhen**. *See* **Gallinule**.**Muddy Cove**, Indian name for 43: 244, 253.**Muequomota**, Menomini treaty commissioner 14: 21.**Mugs**from Pueblo ruins, features of 22, i: 65 *sq.*

from Pueblo ruins, figures of 22, i: 64, 65, 66.

Mugs—Continued

mention of 4: 307, 320, 347.

See also **Cup; Dipper.**

Mugulasha or Mugulusha

hoop and pole game of the 24: 485.

tribe of Choctaw Confederacy 19: 500.

Mugwort

use of 44: 287, 325.

white, use of 44: 287.

See also **Artemisia Dracunculoides; Artemisia Gnaphalodes.**

Mühlenfordt, Eduard

cited as to Casa Grande 28: 53.

map by 17: 66.

notes on Seri by 17: 94 *sq.*

on Cochiti 29: 440.

on Pecos 29: 476.

on San Felipe 29: 500.

on Sandia 29: 527.

on Santo Domingo 29: 449.

Pima words published by 26: 269.

Muhul, definition of 16: 238.**Muiobi, Rio Grande Valley**

clans from 19: 604-613.

Hopi clans from 19: 582, 584.

Muir, John M.

collection made by 39: 27.

collection presented by 40: 20;
41: 20.

Müiyinwû

a Hopi deity 17: 647, 667.

"flower mound" of 19: 990.

Mujeekewis, reservation for 18: 756.**Mukokoosh, former residence of, cession of reserve at 18: 764.****Muklasa, a former Alabama town 42: 118.****Muklasa Clan, native name for 42: 116.****Muklasâlgi, identification of 42: 118.****Mul, definition of 16: 239.****Mulatto King, reservation for 18: 706.****Mulberry**

bark of, used in weaving 13: 24,
25.

connection of, with stomp dance
42: 550.

French, medicinal use of 42: 663.

medicinal use of 42: 659.

sanctified by ceremony 42: 550.

Mulberry—Continued

wild, found by Coronado 14: 507,
528, 582.

Mulberry Mound, Fla., finding of fiber-tempered ware in 20: 122.**Mulberry Place, myths concerning 19: 250, 264, 436, 473.****Mule; Muli, Cayenne and Surinam wooden bench 38: § 328.****Mule, Cherokee name for 19: 265.****Mule Deer, split bone needles from 44: 133 *sq.*****Mules**

among the Pima 26: 86.

See also **Mule.**

Mull, M. A., donation of engraved shell (Arkansas) by 12: 225.**Mullay, J. C.**

census of Cherokee in North Carolina in 1849 by 5: 313.

East Cherokee censuses by 19: 167, 171.

Mullein

medicinal use of 42: 660 *sq.*; 43: 265.

of recent introduction 33: 59

Muller, —, on Totonacan number names 19: 874.**Müller, A., ornate stone lamp 46: 34, 55, 136, 173.****Muller, Franz, reference to 29: 357.****Muller, H. Russel, mounds on land of 44: 489.****Müller, J. G.**

on dance plazas 25: 80.

on Mexican gods 1: 232.

Müller, Prof. Max

on Hindu drinking custom 9: 496.

on parched grain among the Hindus
9: 546.

on qualities and properties 20: CLVIII.

on sacred cords of the Hindus 9: 563-567.

on scratching among the Parsis 9: 493.

theories of, relating to language 1: 277, 281, 283.

Muller, Prof. Sophus, acknowledgment to 34: 179.**Muller from House of the Mysteries 41: 572.****Mullera Moniliformis. *See* Haiari-balli.**

Mullers

- collection of 3: 524.
- description of 13: 93.
- distribution of 15: 141.
- how finished 15: 26.
- Porto Rican 25: 99.
- See also Metate; Muller.*

Multiple-ply Cotton Twine 38:
§ 37.**Multiplicative Numerals, Unalit,**
table of 18: 239 *sq.***Mulu. *See* Molo.****Muluc**

- symbol, discussion of 16: 237.
- symbol, in Dresden Codex 16: 258.

Mu'luktākia, mention of 23: 143, 144.**Mummies**

- Alaskan 1: 134, 135.
- Kentucky 1: 133.
- natural, Barrow 46: 319.
- natural, Prince William Sound 46: 36.
- Northwest Coast 1: 135.
- Virginia 1: 131, 132.
- See also Mummy.*

Mummification

- Guiana Indian 38: § 837.
- or embalmment 1: 130.
- practiced by ancient Peruvians 16: 12, 40, 49.
- theories regarding 1: 130.

Mummified Bodies, in cane baskets
41: 571.**Mummy**

- fetish, Eskimo 18: 62 *sq.*, 429, 437.
- finding of, at Aguas Calientes 19: xvii.
- See also Mummies.*

Mummy Burial Cave, mention of
41: 496.**Mummy Cave, Ariz.**

- finish of roofs in 8: 150.
- ruins of 8: 64, 150.
- ruins of, exploration of 7: xxvii.

Mummy Cave House, repairs on 42:
5 *sq.***Mummy Cave Ruin**

- benches and buttresses in 16: 177.
- description of 16: 81, 112.
- kiva in 16: 176.

*See also Mummy Cave.***Mummy Lake**

- excavations near 41: 30 *sq.*, 81 *sq.*
- group, cluster of ruins 38: p. 2 *sq.*

Mumps, treatment of 42: 661, 668.**Mumtrak 46: 190.****Mumtrak Crania**

- basiofacial diameters 46: 279-282.
- dental arch 46: 275.
- facial 46: 266.
- facial angles 46: 285.
- means 46: 286.
- mention of 46: 257, 259, 262, 263.
- orbits 46: 274.
- skulls of children 46: 295.

Mundurucu 38: § 510, 517, 577.**Mung-kiva**

- of Mashongnavi 8: 127.
- of Shupaulovi 8: 113, 122.
- of Tusayan 8: 134.

Muniri Ants 38: § 926.**Muñiz, Antonio**

- collection by 19: xxix.
- publication of memoir by 17: lvi.

Muñiz, M. A.

- contributor to Bureau 48: 1189.
- obituary of 48: 1221.
- preparation of memoir by 15: xxxi, xli.

Muñiz, M. A., and McGee, W. J.,
memoir on primitive trephining by
16: lxxxviii *sq.*, 3-72.**Munn & Co., gift by, to bureau 34:**
29.**Muñoz, —.**

- copy of Alvarado's report by 14: 594.
- documents copied by 14: 572, 580, 584.
- on Antillean village 25: 33.
- on Indian pueblo 25: 84.
- on Porto Rican houses 25: 41 *sq.*

Muñoz Document, on distribution of
Indians among Europeans 25: 24.**Munroe, —, cited on primitive tre-**
phining 16: 12.**Munroe, Miss Helen, work of 34:**
27; 36: 31; 37: 28; 38: p.
18; 39: 24; 40: 18; 41: 18,
42, 70, 93, 114; 42: 17; 43:
16; 44: 16; 45: 17; 46: 14;
47: 12; 48: 18.**Munsee Indians**

- cessions for 18: 730, 742.
- confederation of, with Cherokee 5: 356 *sqq.*; 18: 841.
- land cessions and reservations 18: 666 *sqq.*, 774, 778, 814 *sqq.*, 820, 854.
- land cessions by 14: 26, 31.

Munsee Indians—Continued

- land purchase at Green Bay 14: 23.
- population and lands of 14: 31.
- population of 19: 1109, 1110.
- researches among the 42: 11.
- separation of, from Delawares 19: 19.
- visited by Dr. T. Michelson 34: 16.
- See also* Delawares; New York Indians.

Munsee Language

- division of Delaware 28: 275.
- references to 28: 290, 290a, 290b.
- See also* Minsi.

Munson, Spencer, aid of, acknowledgment of 5: 130.**Murder**

- accidental killing among Omahas 3: 370.
- after death of Gwatsl̄enox^u child 35: 1381-1385.
- among the Eskimo, instances of 18: 303-306.
- among the Kwakiutl 35: 1277.
- among the Tlingit 26: 449.
- attitude toward 42: 339.
- by drowning 35: 1262.
- by the Omahas 3: 369.
- compensation for 47: 252 sq., 479.
- detection of, by nosebleed 40: 241.
- duties of chief in connection with 36: 67.
- Indian beliefs concerning 46: 480.
- procedure in cases of 42: 343.
- punishment for 42: 339, 343, 696; 44: 217 sq.; 46: 452 sqq.
- reparation made for 42: 343.
- trial for 42: 344.
- Wyandot law for 1: 66.
- See also* Crime.

Murdoch, Prof. John

- contributor to Bureau 48: 1189.
- editor of paper on Ungava district ethnology 11: 167.
- Eskimo researches of 7: 73.
- ethnologic investigation in Alaska by 18: 21.
- exploration in Alaska of 46: 29, 32.
- mention of 46: 169, 173, 222, 224, 333, 371.
- obituary of 48: 1221.
- on archery, Western Eskimo 24: 386 sq.

Murdoch, Prof. John—Continued

- on buzz, Western Eskimo 24: 753, 755.
- on labrets 3: 92.
- on objects from Plover Bay, eastern Siberia 24: 103.
- paper on Point Barrow Eskimo by, notice of 9: XLII, XLIII.
- reference to work of 11: 238.

Murdock, Professor, misprint (3: Index, p. 602), for Murdoch, J.**Muret, Pierre**

- on living sepulchres 1: 182.
- on Persian mortuary customs 1: 103.

Murfreesboro and Franklin Turnpike, origin of 42: 741.**Murie, Alfred, and Wife**, assistance rendered by 33: 46.**Murie, James R.**

- aid rendered by, to Miss Fletcher 22, ii: 14.
- assistance rendered by 33: 46.
- revision of paper by 41: 31.
- researches in ethnology of 32: 10.
- work of 34: 24; 36: 27; 37: 26; 41: 40.

Murphy, Jos., killed at Wounded Knee 14: 872.**Murphy, Dr. P. S.**, acknowledgment to 19: 13.**Murphy, Thomas**, at Medicine Lodge treaty 17: 186.**Murray, Captain** —, expedition under 19: 67.**Murray, Hon. Charles Augustus**, on hoop and pole, Pawnee 24: 463 sqq.**Murray, H. M.**, archeological collections of 15: 18.**Murre**

- Eskimo clothing made of skin of 18: 31, 39.
- Eskimo method of catching 18: 133.

Murrelet

- source of Tlingit personal names 26: 422.
- Tlingit crest animal 26: 415.
- Tlingit house group name 26: 401.

Murucu Spear, symbol of authority 38: § 751.**Muruwa Dance** 38: § 592.

Mus Alexandrinus; Mus Musculus;
etc.

in Pimeria 26: 80.

See also Mouse.

Musa 38: § 246.

See also Banana; Plantain.

Muscle Shoals

archeological material from 42: 18.

attempted settlement at 19: 68.

conflict at 19: 70.

massacre of Scott party at 19:
100 sq.

work on mounds at 42: 3, 4.

Muscogee

tribe of Creek confederacy 19:
498 sq.

See also Creek.

Muscogulge

burial of 1: 122, 123.

See also Creeks.

Muscular Power, use of 20: XLII.

Museo Nacional, Mexico City

mention of 25: 234.

terra-cotta heads in 20: 98.

Museum für Völkerkunde, Berlin

acknowledgment to 6: 409.

figured specimens from 6: 472
473, 474, 477, 479, 480, 481, 483,
486, 487, 488, 496, 508, 513, 514,
515, 518, 519, 520, 523, 531, 532,
554, 555, 557, 565, 566, 567, 568,
569, 570, 571, 576, 613, 634, 644.

Fox ethnological collection at 40:
36.

Museum of the American Indian

collection in 39: 10.

cooperation with, by Bureau 37:
1; 41: 85, 107.

excavation of mound for 44: 32.

fossil ivory objects in 46: 174.

Fox ethnological collection in 40:
36.

ornate stone lamp in 46: 34, 55.

Wa-xo'-be To'-ga in 36: 73.

Museums

containing collections of Hopi pottery 33: 219.

containing Fox ethnological collections 40: 36.

Mush

dried, occurrence of, in Mandan vessel 20: 199.

forms of, preparation of 30: 74 sqq.

use of, for the dying 30: 100.

Mushi, club 38: § 153.

Mushroom-shaped Implements, of
stone, found in Pueblo ruins, use
of 22, i: 104.

Mushroom-shaped Objects. *See*
Stopper-like Objects; Tools.

Mushrooms

eaten 38: § 247.

mention of 46: 109.

prairie, mention of 33: 62.

use of 45: 483.

Music

aboriginal, new light on 21: xxxi.

accompanying dance 42: 600.

among Northern Indians 11: 322.

and poetry of the Eskimo 6: 648-
658.

Antillean 25: 210.

appreciation of, by Eskimo 18:
350-353.

at Zuñi 47: 494-497.

characteristics of 27: 323.

Chippewa, bulletin on 30: 23, 24.

Chippewa, papers on 34: 26.

Chippewa, study of 30: 21.

description of 46: 617 sq.

discussion of 19: LXX-LXXIV.

Eskimo 18: 347-353.

Indian, manuscripts on 43: 10 sq.

Indian, study of 36: 27; 39: 23;
41: 2 sq., 12 sqq., 35 sqq., 60 sqq.,
87 sqq., 112 sq.; 47: 8; 48: 15 sqq.

Mandan and Hidatsa, study of 34:
22.

Menomini, character of 14: 105.

of Midewiwin, description of 7:
289 sq.

of Pecos Indians 14: 491.

of Pueblo Indians 14: 522, 550,
594.

of Siouan Indians 15: 175.

of the Eskimo 9: 385-389.

on the flute 46: 512.

Osage 36: 82, 141, 142, 186, 187,
188, 189, 190, 191, 198, 199, 200,
244, 245, 246, 252, 253, 287, 289,
291, 293, 294, 295, 297, 299, 300,
301, 302.

primitive, religious motive of 20:
cxxx.

research in 29: 19; 44: 10-13.

Siouan, study of 34: 21 sq.

songs, singing, rhythm 27: 126,
373 sqq.

Music—Continued

- study of, by Miss Densmore 45:
10 *sqq.*; 48: 15 *sqq.*
- Teton Sioux 37: 22; 40: 17.
- use of, by Indian medicine-men 9:
465.
- Wa'wa^a cememony 27: 376-400.
- Wa'wa^a ceremony, Ponca 27: 400
sq.
- Zuñi 30: 64.

See also Densmore, F.; Drums;
Rattles; Singing; Songs.

Musical Accompaniments

- in archery, Montagnais 24: 384 *sq.*
- in dice games 24:
Menomini 73 *sq.*
- Thompson Indians 157.
- Yokuts 140.
- in football, Massachusetts 24: 698.
- in four-stick game 24:
Clackama 328.
- Paiute 335.
- Pao 335.
- Washo 335.
- in hand game 24:
Arapaho 268.
- Assiniboin 316.
- Bannock 307.
- Blackfeet 269.
- Chilkat 288.
- Chinook 282.
- Clatsop 282.
- Comanche 309.
- Cree 316.
- Diegueños 524.
- Kiowa 285.
- Kutenai 286 *sq.*
- Kwakiutl 320, 321.
- Makah 321.
- mention of 267.
- Nez Percés 304 *sq.*
- Nisqualli 299.
- Nootka 322.
- Okanagan 300 *sq.*
- Paiute 312.
- Pawnee 276.
- Saboba 313.
- Shoshoni 314.
- Songish 302.
- Takulli 273, 274.
- Thompson Indians 302 *sq.*
- Tobikhar 314.
- Twana 304.
- Umatilla 306.

Musical Accompaniments—Contd.

- in hand game 24—continued
Wichita 279 *sqq.*
- Yampa Ute 315 *sq.*
- in hidden ball 24:
Chippewa 340, 341.
- Dakota 365.
- Hopi 361-364.
- Iowa 365 *sq.*
- Keres 352.
- Menomini 343 *sq.*
- mention of 339.
- Miami 344.
- Navaho 347, 348.
- Seneca 350 *sq.*
- Tewa 368.
- Wyandot 351.
- Zuaque 357.
- Zuñi 374-380, 381.
- in hoop and pole 24:
Arapaho 442.
- Oglala Dakota 435.
- in Indian games 24: 44.
- in racket, Cherokee 24: 574.
- in stick games 24:
Ataakut 233.
- Chinook 241.
- Haida 260.
- Hupa 235.
- Makah 264.
- Puyallup 251.
- Snohomish 253 *sq.*
- Songish 254.
- Takulli 274.
- Thompson Indians 256.
- Twana 256.

Musical Instruments

- Aeolian 38: § 572.
- collection of, from Indians 2: 335.
- description of 45: 164 *sq.*
- general description of, Omaha 27:
371 *sq.*
- in He'dewachi ceremony 27: 256.
- lack of, in Ghost dance 14: 921.
- of the Creeks 42: 521 *sq.*, 628, 708
- of the Eskimo 9: 385-388; 18:
350-353.
- of the Guiana Indians 38: p. 450-
469.
- of the Hawaiians 33: 618, 623,
627, 662.
- of the Okanagan 45: 278.
- of the Omaha 13: 281.
- of the Pima 26: 166 *sqq.*

Musical Instruments—Continued
 of the Winnebago 14: 111; 37: 123.
 of Tusayan 15: 269, 270.
 pottery, Eastern United States 20: 34 *sq.*
 use of, in ceremony 14: 112.
See also **Drum; Flute**; etc.

Musician

ceremony of, over boxes 23: 465.
 grave offenses committed by 23: 461.
 Omaha 3: 341.
 retirement of 23: 470.

Muskogean

bibliography, work on 10: xx.
 family, mention of 7: 94 *sq.*
 languages, bibliography of 11: xxxiv.
 peoples 20:
 connection of, with Florida pottery 115.
 connection of, with Gulf pottery 105.
 connection of, with Lower Mississippi Valley pottery 102.
 connection of, with South Appalachian pottery 142, 143.
 occupation of South Appalachian province by 130.
 pottery made by 139.
 pottery probably made by 81, 131, 132.
 peoples, work on 41: 32 *sq.*
 stock, languages embraced in 42: 677 *sq.*
 stock, largest in the southeast 42: 677.
 stock, racket game of 24: 562.
 stock, tribes of the 24:
 Bayougoula 485.
 Chickasaw 597.
 Choctaw 146, 485, 598, 709.
 Creeks (Muskogee) 422, 486, 487, 605, 805.
 Huma 486.
 Mugulasha 485.
 Seminole 608.
 stock, unknown by the Omaha 27: 102.
 tribes, phratries of 15: cxxi.
 tribes, study of culture of 42: 3.

Muskingum River, rock carvings on 4: 22.

95719°—33—45

Muskmelons, raised by the Pima 26: 77.

Muskogee Indians

ancestors of, from the West 42: 40.
 games of the 24:
 hoop and pole 421, 486 *sqq.*
 racket 562, 605.
 running races 805.
 hunting custom of 42: 516.
 list of tribes of 42: 248.
 proportion of, in Creek confederacy 42: 49.
 sanctuaries of 42: 185 *sq.*
 Shawnee origin of name 42: 307.
 terms of relationship 42: 80–88.
 tribes of, among Lower Creeks 42: 40.
 tribes of, among Upper Creeks 42: 40.
 union of, with the Alabama 42: 45.
 war of, with the Alabama 42: 42 *sqq.*
See also **Creeks**.

Muskoki Indians

numeration marks of 10: 258.
 probably mound-builders 12: 718.

Muskrat

a man-being in Iroquoian cosmology 21: 181, 287.
 beliefs concerning 11: xxxiv.
 Eskimo method of hunting and trapping 18: 125, 157.
 illness caused by 42: 644.
 in Menomini myth 14: 134.
 myths concerning 11: 338.
 skin, Eskimo clothing made of 18: 31.
 skin, Eskimo implements made of 18: 105.
 skin, Eskimo method of dressing 18: 118.
 skin, value of, among the Eskimo 18: 232.

Muskwaki Indians

collection from 18: XLVII.
 purchase of loom of 19: xxix.
 transitional serial organization of 21: xxi.
 visit to 18: xxviii.
See also **Fox Indians**.

Mussel, a life symbol 36: 94.

Mussel-shell

implements of 13: 133.
 knives of 35: 398.

- Mussel Wi'-gi-e** 39: 252 *sq.*
- Mussels**
 gathering of 35: 181.
 in Cherokee lore 19: 308.
 Tlingit customs concerning 26: 459.
 use of, for bait 35: 182.
- Musselshell River**, pictographs on 4: 62.
- Mustaches** of Eskimo men 18: 27.
- Mustard Clan**, reference to 47: 913.
- Mustard, Wild**, medicinal use of 43: 264.
- Mutch, Capt. James S.**, material collected by 24: 102, 736, 751.
- Mutation**, vocalic 1: 5.
- Mute Dogs** 38: § 717.
- Mutilation**
 as a sign of mourning 37: 146; 46: 572.
 of Seri body 17: 169* *sq.*
- Mutiny** of Spanish settlers at San Hieronimo 14: 502.
- Mûtsiānā-tānīu**, a Kiowa Apache synonym 17: 245.
- Mûtsiānātā'niuw'**, Cheyenne name of Kiowa Apache 14: 1081.
- Muyal**, definition of 16: 258.
- Muyiñ wūqtaka**, identity of, with the Tanoan Na noi kusi 21: 122.
- Muyiñwū**
 germ god of Awatobi 21: 38.
 worship of 21: 21, 24.
- Muyscas**, cosmogony of the 16: 220.
- Muzaque**, identified with Matsaki 13: 326.
- Muzribi**, description of 21: 101.
- Myanmechetnabewat**, Menomini treaty signer 14: 28.
- Mycene**, Lower Mississippi Valley pottery resembling that of 20: 102, 103.
- Mycetes**. *See* **Howler Monkey**.
- Myer, William Edward**
 biography of 42: 729 *sq.*
 collections made by 41: 43, 73, 116.
 contributor to Bureau 48: 1189.
 manuscript by 41: 16, 106.
 obituary of 48: 1221.
 paper by 42: 17; 43: 16; 44: 4, 15.
 reference to work of 42: 3.
 work of 41: 15, 37 *sq.*, 64-67, 89 *sqq.*, 111 *sq.*
- Myers, W. D.**, Kiowa agent in 1888 17: 226.
- Myrica**, medicinal use of 42: 664.
- Myristica Sebifera**, for oil 38: § 25.
- Myristica sp.** *See* **Wild Nutmeg**.
- Myrmecia Scandens**, febrifuge 38: § 927.
- Myrmecophaga**. *See* **Ant Bear**.
- Myroxylon Toluifera**, seeds of, for necklaces. 38: § 535.
- Myrtle Pachistema**, food for cattle 45: 515.
- Mystic House**
 sacred fire kindled in 39: 220, 225.
 songs of 39: 218.
- Mysticism**
 among Indians 14: LI.
 of primitive thought 19: 829 *sq.*
- Mysteries**, land and water 45: 181 *sqq.*
- Mystery**
 dance, description of 11: 440.
 decoration, use of 11: 394.
 definition of 11: 365.
 Indian belief in 11: 465, 493, 508.
 tree, description of the 11: 453.
- Myth**
 Bain, Hindoo 1: 27.
 falling stars, Ute 1: 27.
 migration of birds, Algonkian 1: 27.
 moon, Ute 1: 25.
 Norse 1: 26.
 of the Thunder-bird 3:
 northwestern American 119, 149.
 Prof. E. W. Nelson on 120.
 Oraibi 1: 25, 27.
 rain, Shoshoni 1: 26, 27.
 rainbow, Shoshoni 1: 27.
 regeneration of the Hopi 14: 811.
 special definition of 11: 368.
 sun, Ute 1: 24.
 See also **Cosmogony; Cosmology; Genesis; Mythology; Myths.**
- Mythic**
 age, belief in 47: 488.
 animals, Eskimo 18: 394, 441-449.
 animals, masks made by Eskimo to represent 18: 394.
 origin of Kanelba 17: 638 *sq.*
 personages on pottery 17: 665.
 places in Tewa country 29: 571 *sq.*
 tales 1: 43-56.
 tales, Cinaú-äv brothers 1: 44, 45.
 tales, Iroquois 2: 83-111.
 tales, origin of the echo 1: 45 *sqq.*
- Mythologic Explanation** of phenomena 2: 75, 82.

Mythologic Philosophy

- basis of the Zuñi 23: 414, 415.
- course of evolution of 1: 38-43.
- devilism 1: 32.
- fetishism 1: 32, 41.
- four stages of 1: 29, 33.
- hecastotheism 1: 30, 32.
- monotheism 1: 30, 32.
- outgrowth from 1: 33, 38.
- physitheism 1: 30, 32.
- psychotheism 1: 30, 32.
- zootheism 1: 30, 32.

Mythological Material, utilization of
40: 37.**Mythology**

- brief account of Zuñi 5: 539-545.
- burial practices connected with,
Florida Peninsula 20: 119, 125.
- definition of 32: 60.
- development of 15: 178; 21: xxix,
xxx.
- Eskimo 18: 421-450.
- Indian 1: 19-56.
- influence of, on form and decoration
of pottery 20: 85, 91, 100 *sq.*
- Kiowa 17: 153.
- Kiowa, work in 17: liv *sq.*
- limitations to the use of, in study of
anthropology 1: 81, 82.
- Menomini, study of 13: xxxi.
- nature and origin of 20: clxxiii-
clxxxiv.
- of the Flatheads 45: 383 *sq.*
- of the Menomini 14: 161-239.
- of the Okanagan 45: 290.
- of the Siouan Indians 15: 182, 185.
- of the Upper Missouri Indians 46:
500-503.
- Omaha, character of 27: 600 *sq.*,
608.
- plants mentioned in 45: 510 *sq.*
- primitive 11: xlv, 26, 116, 261,
327, 365, 431; 19: xxvii.
- Pueblo Indian 29: 515.
- San Ildefonso Indian 29: 272, 274,
295, 296, 298 *sq.*, 331.
- San Juan Indian 29: 229.
- studies in 18: xliv, xlv.
- summary of work in 15: lxxxv.
- Tewa Indian 29: 45, 56, 164, 165
sq., 167, 199, 514, 536 *sq.*, 567,
571.
- Tsimshian, comparative study of
31: 565-871.

Mythology—Continued

- work in 14: xliv; 15: xxii, xxv,
xxx, xxxiv, xxxviii, xliii, xlviii,
liii, lvi, lxi, lxiv, lxvii; 16:
xx, xxiv, xxviii, xxxi, xxxvii,
xxxix, xl, xliv, lii, lvi, lxxv *sq.*
- Zuñi Indian 2: 11; 13: xxx;
29: 419 *sq.*, 514, 537.

Zuñi 23:

- ancestral gods 33.
- creation of the Council of Gods
33, 34.
- Divine Ones, visit of 34.
- mention of 20-61.
- origin of 32 *sqq.*

See also Ceremonial Observances;
Myth; Myths; Religion; Reli-
gious Ceremonies; War Gods;
and various tribal names.

**Mytho-Sociologic Organization of
the Zuñi 13: 367.****Myths**

- analysis of 32: 58.
- and folktales, Guiana Indian, list of
30: 109 *sqq.*
- and mythic animals, pictured 10:
468-490.
- and songs from South Pacific, cited
on tattooing 4: 76.
- and tales 47: 142-190.
- Antillean 25: 72-76.
- Cherokee, memoir on 19: xxxvii
sqq., 3-548.
- Cherokee, work on 19: xxvi; 22,
i: xxxiv *sq.*
- comparative study of 22, i: xxix
sq.
- concerning Corn Maids 47: 914-
919.
- concerning Katcinas 47: 922, 925,
938, 984, 986, 991, 1003, 1012,
1020, 1026, 1028, 1032, 1036,
1040, 1042, 1048, 1051, 1058, 1078.
- concerning Menomini totems 14:
39 *sqq.*
- concerning the buffalo 11: 476.
- creation 11: 430, 513, 519.
- creation, of the Zuñi 13: xxxviii,
xliv, lvii, 321-447.
- defense of 20: clxxvii-clxxxiv.
- definition of 32: 66.
- development of 19: lxxxii *sqq.*
- explaining use of eagle feathers 47:
864-867.

Myths—Continued

- fictitious only in form 32: 61.
 - interchange of, among tribes 19: 234 sq.
 - Iroquois, work on 19: xxvi; 22, i: xxxv sq.
 - Isleta emergence 47: 359-363.
 - language, Hebrew 1: 28.
 - language, Kaibab 1: 28.
 - of Buffalo spirits 37: 437.
 - of Katcina dancing 47: 497.
 - of the Creek 42:
 - creation 487 sq.
 - confused with tales 2.
 - illustrating diseases and remedies 636 sqq.
 - ritualization of 63.
 - of the Eskimo 11: 195; 18: 450-518.
 - of the Fox Indians 40:
 - reflect Fox ethnology 37.
 - ritualistic origin, importance of 37.
 - written by Alfred Kiyana 27.
 - of the Iroquois 4: 190; 43: 464-469.
 - of the Mandans 11: 506.
 - of the Pima 26:
 - abstracts 247-250.
 - Children of Cloud 239 sq.
 - coyote 230-237.
 - creation myth 206-230, 237 sq.
 - mention of 206-242.
 - origin of the horse 241 sq.
 - preservation of 206.
 - Skull and his magic 241.
 - of the Sia Indians 11: 19, 146.
 - origin and emergence 47: 147 sq., 547.
 - origin-migration 47: 24.
 - origin, story from 47: 134.
 - Pueblo, work on 22, i: xxxvi.
 - relating of 46: 607 sq.
 - used by Peyote members 37: 424 sq.
 - Zuñi, work on 22, i: xxxvi.
- See also* **Creation Myths; Myth; Mythology; Origin Myths.**

N

Na. *See* **Eagle Phratry, Tlingit.**

Naa day symbol, discussion of 16: 250.

Naacnaiya or Naácnaiya

- ceremony of the Hopi 15: 263.
- description of 21: 21.
- duration of 21: 20.
- fraternities taking part in 21: 23.
- Na-aputk't**, in fight with Apache 26: 53 sq.
- Naas**, use of labrets among 3: 88.
- Naaxtadji**, derivation of 21: 126.
- Nababish**, cession of reserve at 18: 764.
- Nä'bai-dä'cho**, a Caddo division 14: 1092.
- Nabakobáhi**, Warrau name for banab 38: § 293.
- Nabedache**
 - a Caddo division 14: 1092.
 - custom of the 42: 702.
- Nabobask**, reservation at residence of 18: 698.
- Nacab Kiva**
 - bird dance in, in Pamürti festival 21: 29.
 - dances in, in Soyaluña 21: 25.
 - display of war-god image in, in Soyaluña 21: 26.
 - Palülüköñti festival at, in 1893 21: 27.
 - participants from, in Pamürti 21: 27.
 - personation of Malo Katcina in 21: 30.
 - Powamû bird dance performed by men of 21: 32.
- Nacameri**, location and duration of 17: 69 sq.
- Nachan**, meaning of 16: 222.
- Nacogdoches**
 - a Caddo division 14: 1092.
 - founding of 42: 829.
 - Indians, mission among 42: 832.
 - road starting from 42: 831 sq.
 - trail to 42: 829.
- Nacogdoches Archives**, reference to 28: 16.
- Nacoochee**
 - mound, collections from 37: 30.
 - mound, excavation of 37: 1 sqq.
 - origin of name 37: 1 sq.
 - pseudomyth concerning 19: 416.
 - See also* **Cauchi.**
- Nacochtank**, quarry work by inhabitants of 15: 71.
- Nacti**, legendary Pima maid 28: 46.

- Nadaillac, Marquis de**
 cited 6: 14, 38; 12: 565, 611, 620, 683, 729.
 mention of 46: 333, 355, 371.
 on Chiriquian methods of casting 6: 38.
 on Mexican arrow chipping 13: 142.
 statement by, correction of 12: 530.
 work by, cited 28: 62.
- Nāda'ko or Nadako**
 a Caddo division 14: 1092.
 early mention of the 14: 1094.
 in Texas, union of, with Cherokee 19: 143.
See also Anadarko.
- Nadal, Pedro**, exploration by 17: 51.
- Nadi'isha-de'na**, native name of Kiowa Apache 14: 1081.
- Nadiishañ-déna**
 native name of Kiowa Apache 17: 156, 245.
 meaning of 17: 246.
- Nadouessi**, a synonym of Sioux 14: 1050.
- Nadowesi**, a synonym of Sioux 14: 1057.
- Nadowesiu**, a synonym of Sioux 14: 1057.
- Nadowessioux**, meaning of 15: 158.
- Naensx-ä of the Koskimo**, story of the 35: 1256.
- Nafudi**. *See Tamuchi.*
- Nagache**, meaning of 16: 228.
- Nagranda** method of forming numbers above ten 19: 912.
- Na'gthe Waaⁿ**. *See Captive Songs.*
- Nagua**, woman's cotton loin-cloth covering 38: § 548.
- Nagualism**
 of the Mexicans 14: 65, 115.
See also Jugglery; Magic; Medicine-man; Medicine-men.
- Naguatex**. *See Nabadache.*
- Na-gun-a'ks**, an ocean being 31: 287 sq., 439.
- Na-gutchi**, meaning of 16: 228.
- Naha**, wrestling shield 38: § 608.
- Nahani Indians**
 mention of 41: 133.
 population of 7: 56.
- Nahas**, oars made by Carib 25: 208.
- Nahliwak** 46: 199.
- Nah tan**, treaty signed by, in 1867 17: 186.
- Na'htchi**, habitat and population of 7: 96 sq.
- Nahua Nations** 3: 53, 61, 63.
- Nahuatl**
 and Hopi pictographs, comparison of 17: 569.
 and Tusayan ceremony, comparison of 15: 274, 287.
 and Tusayan gods, comparison of 15: 268.
 ceremony of the Tuetleco 15: 272.
 day names of the 16: 206.
 numbers of the 19: 866, 867, 878, 922, 928.
 or Aztec method of forming numerals above ten 19: 882-885.
 Pima a branch of the 7: 99.
 Shoshonean regarded by Buschman as a branch of 7: 109.
See also Aztec.
- Nahui Olli** day symbol, discussion of 16: 254.
- Nails**
 care of, among the Pima 26: 160.
 iron, occurrence of, in Georgia mounds 20: 139.
 Seri use of 17: 154*.
See also Finger-Nails.
- Na-isha**, native name of the Kiowa Apache 14: 1081.
- Na-isha Apache**, population of 7: 56.
- Na'-ishañ-déna**
 correction of Ná-isha-déna to 17: 445.
See also Nadiishañ-déna.
- Na-ishi Apache Indians**, linguistic work among the 6: xxxv.
- Naiuche**, Zúñi Bow chief 19: 609.
- Naiuchi**, Zúñi priest chief 26: xvii.
- Nai uchi**
 acknowledgment to 30: 38.
 medical knowledge of 30: 40, 46.
- Nai'uchi**
 elder brother Bow priest 23: 20.
 meal painting of 23: 173.
 preparation of water by 23: 175.
- Naiutci**, injured by stick swallowing 17: 664.
- Naiyensgony and Tobaidishinni**, mythical history of 8: 279 sq.
- Najera**, birthplace of Castañeda 14: 470.

- Najowe Pass**, pictographs at 4: 36.
Najowe Valley, Calif., petroglyphs in 10: 65-68.
- Naka**
 Powamû festival at Walpi controlled by 21: 31.
 similarity of marks of, to those of Kota and Wiki 21: 109.
- Nakai-Dokli'ni**, account of 14: 704.
Nä'ka'na'wan, a Caddo division 14: 1092.
- Nakash**
 Ghost song composed by 14: 985.
 visit of, to Wovoka 14: 803, 807, 817, 894.
- Na'kasinë'na**, name of northern Arapaho 14: 954.
- Nakay-Doklumni.** *See* **Nakai-Dokli'ni.**
- Na'ke'e**, making of prayer plumes to 23: 515.
- Nakiatcop**
 description of 21: 86.
 resemblance of, to Dwan katchina 21: 86.
- Nako.** *See* **Haiari.**
- Nä'kohodo'tsi**, a Caddo division 14: 1092.
- Nakopan**
 personages, description of 21: 117.
 picture, portrayal of ancient Hopi katchinas by 21: 117.
- Nakopan Hoya**, derivation of 21: 125.
- Nakota**, a synonym of Sioux 14: 1057.
- Nakum**, number names of 19: 871.
- Nakwâkwoci**
 definition of 17: 662.
See also **Feathered String.**
- Nak!wax'da'xu** 35: 666, 718, 733, 734, 738, 739, 740.
- Na'lâni**, a Kiowa synonym 17: 149.
- Na'lani**, Navaho name of the Comanche 14: 1043.
- Nalq**, story of 31: 125-131.
- Naltû'ik-ân**, a Tlingit town 26: 397, 412.
- Nalucala**
 ceremonial day of, in Hopi festival 21: 20.
 derivation of 21: 126.
 Hopi name for Pohaha 21: 111.
- Namaesi Sipu; Namassipi.** *See* **Fish River.**
- Namatam**, genealogy of 14: 57.
- Nambé**
 Indians, cardinal mammals 29: 43.
 Indians, month names 29: 62-66.
 Indians, origin of 29: 344 *sq.*, 360 *sq.*
 petroglyph at 10: 98.
 population of 7: 123.
 Pueblo, act of Congress affecting 18: 922.
 pueblo of 2: 433.
 pueblo of, collection from 2: 436.
 pueblo of, speaks same language as Hano clans 19: 614.
 Tewa pueblo 8: 37.
- Name**
 among the Tsimshian 31: 419.
 acquisition of, not belonging to family 35: 740.
 as marriage gift 35: 876, 881, 882, 883, 884, 887.
 battle or agnomen 9: 462.
 ceremonial 35: 871.
 change of, Kwakiutl 35: 741, 1026, 1030, 1037, 1038, 1050, 1062, 1073 *sqq.*, 1095, 1096, 1104.
 change of, Pawnee 22, ii: 272, 365.
 change of, Pawnee rite of 22, ii: 272, 278.
 family 35: 787.
 family, not given away 35: 787.
 given after feast 35: 439.
 given after marriage 35: 777, 786.
 given by father 35: 843.
 given by father-in-law 35: 842, 863.
 given by supernatural being 35: 945, 1204.
 given in marriage 35: 838, 840, 842, 851, 856, 888, 896, 897, 903, 940, 950, 956, 962, 969, 980, 982, 984, 988.
 given in potlatch 35: 914.
 given in whale feast 35: 464.
 given to child 35: 1348.
 given to daughter's son 35: 838, 858 *sq.*, 866, 879.
 given to son-in-law 35: 868.
 Kiowa origin of 17: 152.
 list of Tsimshian, proper and place 31: 959-966.

Name—Continued

- magic in 33: 316, 319, 659.
- marriage names put away 35: 787.
- obtained by possession of whale 35: 838.
- of an American Indian not to be divulged by himself 9: 461.
- of chief 35: 785.
- of infant 35: 989.
- of newborn babe 35: 653, 1089.
- of ten-months-old child 35: 653, 897, 980, 1090.
- potlatch 35: 787.
- regulations of the Wyandot tribe 1: 64.
- system of the Kiowa 17: 231.
- systems of the Indians 4: 169-173.
- when given 9: 461 sq.
- See also* Names.

Name-keepers 35: 822.

Name Song

- description of 26: 171.
- mention of 33: 312, 644, 652, 659.

Name-taking Wi'-gi-e 43: 40-44.

Name Wi'-gi-e 43: 69 sqq.

Names

- abalone 35: 1261, 1267, 1269, 1275.
- among Point Barrow Eskimo 9: 42 sq.
- and crests of the Maāmtag'ila 35: 785.
- and naming 42: 698.
- baby names 27:
 - abandonment of 121.
 - in use of Omaha 314.
- belonging to Eagle group 31: 507 sq.
- ceremony of bestowing 42: 97-107.
- change of 46: 516 sq.
- change of, for busk 42: 102.
- changed to cure sickness 42: 624.
- changed with war honors 42: 434.
- changed according to social position 31: 510 sq.
- Cherokee custom of changing 19: 69.
- children's, among the Sia 11: 141.
- colors in personal 11: 533.
- composite 11: 539.
- customs connected with 42: 97 sq.
- derived from plants 30: 37, 86.
- Eskimo customs with regard to 18: 289, 424.
- etiquette of 27: 334 sq.
- evidence of former union of tribes 27: 39.

Names—Continued

- exchange of 30: 191, 306 sq.
- exchange of, salutation 38: § 807.
- feast 35: 841, 888.
- for places, Indian method of assigning 19: 1115.
- Fox Indian, list of 40: 505.
- from father's and mother's side 35: 845, 1076.
- gens bestowing 39: 260.
- gentile 3: 227, 232 sq., 235, 236, 238, 239, 240, 241, 243, 244, 246, 248, 250, 251.
- gentile personal 43: 31.
- geographical 43: 258 sq.
- giving of 30: 305 sqq., 345.
- hereditary 35: 823.
- importance attached to, in Cherokee sacred formulas 7: 343.
- Indian personal, work on 10: xix.
- Indian popular, circular of information regarding 36: 29.
- initiation or ceremonial 47: 215 sq.
- invented 35: 1094, 1095, 1097, 1104.
- Isleta, list of 47: 216 sq.
- mention of 30: 304 sq.
- method of bestowing 31: 511.
- Mohegan personal 43: 280.
- moiety 47: 215.
- mystical 11: 439, 522, 537, 541.
- mythological origin of 35: 823, 824.
- Nehantic personal 43: 280.
- new 35: 1107.
- new, taken in war by Omahas 3: 324.
- of animals 37: 115.
- of animals, Eskimo symbolism of 18: 450.
- of camp soldiers, list of 46: 518.
- of chiefs, list of 46: 518 sq.
- of children, assumed by parents 42: 107.
- of children, Ponca 27: 45.
- of designs, discussion of 41: 383 sq., 387.
- of gentes and subgentes 43: 122 sqq.
- of gentes, discussion of 37: 183.
- of Kwag'ul eagles and numayms 35: 820 sqq.
- of months 37: 124 sq.
- of newborn child 37: 127.
- of sacred societies 13:
 - symbolism of 371.
 - Zuñi, native and Spanish 333.

Names—Continued

- of the Eskimo 11: 200.
- of the Osage 27: 64-67.
- of the Pima 26: 188, 189.
- of the Seri 17: 9, 123*-130*.
- of the Tlingit 26: 408, 421 *sqq.*
- of the Tsimshian 31: 507 *sqq.*, 509-514.
- of trees 37: 115.
- of tribes of peoples 37: 75.
- of vegetables and fruits 37: 115.
- of villages, Yukon 46: 133.
- of warriors, list of 46: 518.
- of women, list of 46: 519.
- of women, Omaha 27: 145, 200.
- Omaha birth 3: 227, 231, 232, 236, 237, 239, 240, 243, 244, 245, 248, 249.
- Pequot personal 43: 281.
- personal 47: 31.
- population 7: 56.
- put away 35: 1354.
- reference to rites 27: 255.
- remarks concerning 47: 217 *sq.*
- restrictions on 30: 292, 304-307.
- secular 35: 899, 903, 1084, 1085.
- spirit, objections to mention 30: 240 *sq.*
- taken from a song 39: 208.
- topographic, among the Eskimo 11: 202.
- used after adoption 37: 128.
- winter 35: 895, 899, 914, 1084.
- See also* Name; Names, Personal; Nicknames; Synonymy; War Names; names of tribes and gentes; tribal and busk names.

Names, Personal

- and clan 15: CVIII.
- and otherwise 37: § 802A, 881.
- change of 15: 232.
- discussion of 37: 193 *sqq.*
- distribution of 27: 137.
- female 43: 126 *sq.*, 129 *sq.*, 132, 133, 134 *sq.*, 136, 138 *sq.*, 141, 142, 143, 145 *sq.*, 150 *sq.*, 153, 154 *sq.*, 156, 157, 159 *sq.*
- from the White Swan 43: 52.
- male 43: 124 *sqq.*, 128 *sq.*, 131, 132 *sq.*, 134, 135 *sq.*, 136 *sqq.*, 139 *sqq.*, 142 *sq.*, 144 *sq.*, 146, 147-150, 152 *sq.*, 153 *sq.*, 155 *sq.*, 157, 158 *sq.*, 160-163.

Names, Personal—Continued

- not mentioned after death 44: 187.
- of the Bear clan 37: 236 *sq.*
- of the Bird clan 37: 221-225.
- of the Chickasaw 44: 187-190.
- of the Elk clan 37: 250.
- of the first four children 37: 251 *sqq.*
- of the Fish clan 37: 250.
- of the Snake clan 37: 250.
- of the Water-spirit clan 37: 242 *sq.*
- of the Wawenock 43: 175.
- of the Wolf clan 37: 240 *sq.*
- origin stories of 43: 84 *sqq.*
- relating to life symbols 43: 86 *sq.*
- selection of, by mothers 43: 48, 72, 73.
- symbolism of 27: 38, 39.
- See also* Birth Names; Earth Names; Name; Names; and references given there.
- Nämi Piäp, a Columbia Indian god 14: 730.
- Naming**
 - of baskets 41: 205.
 - of children 46: 516 *sq.*; 47: 133, 318.
 - of twins 35: 684, 692.
 - ritual of 47: 215.
 - See also* Name; Names; etc.
- Naming Feast** 37: 128.
- Nampeo or Nampéo**
 - a Hopi potter 17: 660.
 - copying of Sikyatki mortuary designs by 33: 218.
 - expert modern potter 33: 217.
 - mention of 33: 275.
- Näñ Clan**, census of 19: 620, 622.
- Nana Ishtohoollo**, warning given by 42: 511.
- Nanaboojoo.** *See* Mä'näbüsh.
- Nanabozho**, derivation of the name 42: 12 *sq.*
- Nanatacka.** *See* Natackas.
- Nandacao**, identification of, with Nadako 14: 1094.
- Nanfan**, treaty concluded by 18: 581.
- Nänigükwa**, Paiute name of Ghost dance 14: 791.
- Nänisana Ka-au'-shan**, Caddo name of Ghost dance 14: 791.

- Nanita**, Kichai name of the Comanche
14: 1043.
- Nanne Hangeh Old Town**, mention
of 44: 174.
- Naⁿni Naioqtä**, folktale of 14: 223.
- Nannyberry** 33: 115.
- Nanoikusi**, identity of, with Wüqtaka
21: 122.
- Nanoni'ks-kare' Niki**, Kichai name of
the Cheyenne. 14: 1023.
- Naⁿ'panta Group**, *Quapaw* 27: 68.
- Nansemond Indians**, remnants of
tribe of, discovery of 22, i: XII.
- Nansen, Dr. F.**, mention of 46: 332,
333, 354.
- Nantacks**
arrowheads of volcanic glass from
22, i: 183.
bowl from, cut showing 22, i: 188.
collections from 22, i: 188 sq.
human effigy vase from 22, i: 189.
sacrificial cave in, amphora from, cut
showing 22, i: 189.
- Nantahala Mountains**
battle in 42: 774.
myths concerning 19: 303, 408.
- Nanticoke**
Indians, adopted into League of the
Iroquois 43: 463.
Indians, association of, with Dela-
wares 19: 497.
Indians, land cession of 18: 574 sq.
Indians, modern remnants of 19:
498.
Indians, separation of, from Dela-
wares 19: 18 sq.
language, reference to 28: 290.
words, list of, secured by J. N. B.
Hewitt 36: 14.
- Nantucket, Mass.**
Indian policy of 18: 605 sqq.
vase from 20: 179.
- Nanvogaloklak** 46: 194.
- Nanyaä'yî**, *Tlingit* clan
affinities of 26: 410, 412.
crests of 26: 415 sq.
history of 26: 411, 414.
medicine-men and spirits of 26:
465 sq.
names of 26: 422.
phratry and tribe of 26: 399.
standing of 26: 408, 427.
- Nanyobo**, legend concerning 30: 132
sq.
- Naolin** 1: 230.
- Napaikiak** 46: 192.
- Napaiskak** 46: 192.
- Napayochak** 46: 207.
- Napayochik** 46: 208.
- Napetaca**, mention of town yard of
42: 175.
- Naples, Ill.**
mounds in 5: 39.
pottery from 20: 188 sq.
resemblance of pottery of, to that of
the Upper Missouri Valley 20:
201.
- Napochies**, an extinct tribe 42: 104.
- Naqomqilis (Wakashan) Indians**,
pictographs by the 10: 213.
- Naranjo, J. M.**
on Whapige 29: 291.
reference to 29: 256.
- Narcelle, Narcisse**, in Sioux outbreak
14: 862.
- Narcotics**
and stimulants, Guiana Indian 38:
pp. 240-247.
of the Omaha 3: 309.
use of, by Antilleans 25: 63 sq.
use of, by Point Barrow Eskimo 9:
65-72.
use of, by Zuñi 30: 37, 41, 46.
- Narragansett**
assimilation of, by Mohegan-Pequot
43: 208 sq.
extermination of, by English and
Mohegan 43: 207.
games of the 24:
dice games 80 sq.
football 697, 699.
stick games 231.
land cessions and reservations 18:
619, 623 sq.
related to the Nehantic 43: 217.
- Narrative of an Expedition to St.
Peter's River**, quoted 4: 150.
- Narratives** in sign language 1: 500.
- Narrow-leaf Cottonwood**, use of, in
ceremonies 30: 96 sq.
- Narrows** of Pitman Creek, Ky., fortifi-
cations at 42: 803.
- Narvaez, Panfilo de**
authority for explorations granted to
14: 346.
drowned off mouth of Mississippi
14: 347.
expedition of 14: 349.

- Narvaez, Panflo de**—Continued
 expedition, rumors of survivors of,
 heard by Coronado 14: 507, 590.
 imprisoned in Mexico 14: 346.
 loses vessel on voyage from Spain
 14: 346.
 loss of expedition of 14: 474.
 ordered to conquer Cortes 14: 345.
 route of expedition of 14: 347.
- Narwhal**, origin of the 6: 625 *sqq.*
- Nasal**, accretion of, Ojibwa 28: 261.
- Nasal Vowels**, Arapaho 28: 235.
- Nās-ca'ki-yei**. *See* **Raven-at-the-Head-of-Nass.**
- Nascapsee or Nascapi**
 games of the 24:
 ball juggling 712.
 ring and pin 539 *sq.*
 joined by the Beothuk 7: 58.
See also **Nasquapees.**
- Nash Harbor** 46: 194.
- Nāshi'tosh**, a Caddo division 14:
 1092.
- Na'shoni**, a Caddo synonym 14:
 1092.
- Na'shonit**, a Caddo synonym 14:
 1092.
- Nastowi**, Wichita delegate to Wovoka
 14: 903.
- Nashville, Tenn.**
 attack on 19: 63.
 conference at (1792) 19: 72.
 founding of 19: 56.
 occurrence of salt-making vessels
 near 20: 28, 30, 186.
 pottery from near 20: 28, 35, 41,
 100, 101, 106.
 trails of 42: 834, 847, 850.
- Nashville-Lexington Road** 42: 802.
- Nashville-Saline River Trail** 42:
 810.
- Nasia**, Pima magician 26: 358.
- Naskopie Indians**, description of 11:
 183, 267.
- Nasquapees**, of *Labrador*
 birch-bark letter by 10: 41.
 notices of direction, etc., by 10:
 340.
See also **Nascapsee.**
- Nass Indians**
 location of the 26: 409.
 myths of the 31: 863-872.
 relations of, with Tlingit 26: 410,
 414.
- Nass River**, games of 31: 409 note.
- Nassonite**, a Caddo synonym 14:
 1092.
- Nāste'di**, *Tlingit* clan
 affinity of 26: 413.
 crests of 26: 417.
 dances of 26: 418.
 history of 26: 410, 414.
 phratry and tribe of 26: 399.
- Nasthoe**, a Wichita chief 17: 268.
- Nastus** sp., bamboo arrow poison 38:
 § 123.
- Naswawkee**. *See* **Neeswaughgee.**
- Nasyuñweve**
 a Hopi folklorist 17: 637, 640.
 Hopi chief, on advent of clan at
 Walpi 19: 585.
- Natāa**, Wichita name of the Comanche
 14: 1043.
- Natacka or Natácka**
 ceremony of Tusayan 15: 274, 288.
 masks of, reference to 19: 612.
- Natacka Mana**
 appearance of, in Powamû festival
 21: 35, 39.
 description of 21: 72.
 participation in Powamû festival by
 21: 67.
- Natacka Naamû**
 appearance of, in Powamû festival
 21: 35.
 description of 21: 71.
- Natacka Taamû**, participation in
 Powamû festival by 21: 67.
- Natacka Wüqti**, description of 21:
 72.
- Natackas**
 association of, with Hehea, in Pow-
 amû festival 21: 73, 74.
 children of Hahai wüqti 21: 68.
 correspondence of, with Soyok taka
 21: 74.
 description of 21: 70-73.
 monsters in Powamû festival 21:
 70.
 name Soyok given by Hopi to 21:
 71.
 regular appearance of 21: 17.
 visit of, in Powamû festival 21:
 35, 36.
 visitation of, to pueblos for food
 21: 39.
- Nataios**, blood kin 25: 34, 35.

Natal Customs

- description of 30: 319-325.
- explanation of 30: 324 *sq.*
- See also* Birth Customs; Child-birth; Children; Couvade; Pregnancy.

Natchee, tribe of Creek Confederacy 19: 498 *sq.*

Natchesan Family, mention of 7: 95.

Natchez, a Paiute chief 14: 1048.

Natchez, Miss., trails of 42: 812, 823, 828.

Natchez Culture Area, feature of 42: 716.

Natchez Indians

- ancient burial custom of 42: 384.
- artistic status of 20: 102.
- belief of, concerning comets 42: 478.
- blood of, among Cherokee 19: 234.
- buildings used by, as temples 41: 502.
- built their temples on a mound 12: 653.
- burial sacrifice of 1: 187 *sqq.*
- busk ceremonial of 42: 603.
- ceremonial use of color by 10: 628.
- clans of, equated with Cherokee 42: 118.
- connection of, with Lower Mississippi Valley pottery 20: 102.
- connection of, with Middle Mississippi Valley pottery 20: 81.
- construction of buildings of 41: 571 *sq.*
- customs of the 42: 692, 699, 701, 702.
- declaration of war by 10: 358.
- dwellings of 42: 687, 688.
- dwellings of chiefs of 42: 174 *sq.*
- dwellings of, of wattle-work 13: 14.
- enslavement of 19: 233.
- fasting among the 40: 547.
- feather garments made by 42: 682.
- food of, eaten cold 42: 521.
- food taboos of 42: 520 *sq.*
- forts of, description of 41: 550 *sq.*
- games of the 24:
 - dice games 146.
 - hoop and pole 488.
 - tossed ball 710.
- hair dressing of 42: 684.
- head flattening of 42: 686.

Natchez Indians—Continued

- hunting method of 42: 693.
- incorporated into Creek Confederacy 42: 47.
- linguistic material of 30: 18 *sq.*
- medicines of 42: 666 *sqq.*
- method of recording appointment by 10: 257.
- mortuary customs of 42: 699.
- mounds built by 44: 405.
- of Muskogean stock 42: 677.
- place of sun in worship of 42: 482.
- pottery of 4: 371.
- reckoning of time by 42: 456.
- religious beliefs of 42: 709.
- sabia known to 42: 498.
- scaffold burial of 1: 169.
- social divisions among 42: 695.
- stools used by 42: 689.
- study of the 15: XL.
- surrender of post 19: 81.
- temple of, description of 41: 507 *sqq.*
- terms of relationship of 42: 91-96.
- trail used by 42: 811.
- type of buildings of 42: 191.
- union of, with the Creeks 42: 48.
- use of color by 20: 63.

Natchez Language

- dictionary of, preparation of 27: 9.
- investigation of 28: 12 *sq.*
- preparation of sketch of 40: 5.
- reference to 29: 14.

Natchez Trace

- crossed by the Cherokee 42: 823.
- development of 42: 812.
- route called 42: 811.
- route followed by 42: 813, 814.

Natchitoches, La.

- French outpost of 42: 829.
- mention of 42: 686.
- mounds in vicinity of 43: 408.
- trails of 42: 823, 829.

Natchitoches

- a Caddo division 14: 1092.
- use of shell as tempering material by 20: 48.

Natci's Narrative in signs 1: 500.

Natenehina, Arapaho name of the Sioux 14: 1057.

Natick

- dictionary 20: XXI; 21: XXVI; 22, i: XXXII; 23: XXXVII.
- misionaries recorders of 43: 211.

- Natick Language**
 conjunctive mode in 28: 272.
 consonantic clusters in 28: 234, 283.
 description of 28: 272-275.
 examples in comparison with 28:
 Abnaki 279, 280.
 Algonkin 233, 243, 244, 250, 265, 271.
 Cheyenne 233, 296.
 Cree 238, 239, 250, 251, 265, 269, 283, 284, 286.
 Cree-Montagnais 280.
 Delaware 238, 239, 243, 244, 250, 265, 269, 278, 279, 280, 284, 286, 288, 290.
 Eastern Algonquian 269, 288.
 Fox 238, 239, 244, 250, 251, 259, 265, 279, 280, 283, 284.
 Malecite 238, 239, 269, 284.
 Menominee 238, 239, 243, 244, 250, 251, 265, 268.
 Micmac 238, 269, 279, 284, 288.
 Minsi 239.
 Montagnais 286.
 Ojibwa 238, 239, 243, 244, 250, 251, 258, 269, 280, 283, 286, 288.
 Ottawa 250, 251, 265, 271.
 Passamaquoddy 243.
 Penobscot 269, 283.
 Peoria 233, 239, 250, 251, 265, 269, 271, 279.
 Potawatomi 265, 271.
 Shawnee 238, 239, 243, 244, 256, 265, 280.
 Stockbridge 290.
 Turtle Mountain (Ojibwa dialect) 239.
 independent mode in 28: 265, 268, 269.
 relationships of 28: 238, 288, 289.
 subjunctive mode in 28: 246, 260, 265.
 suppositive mode in 28: 259.
- Nation de la Fourche**, history of 30: 19.
- Nation of the Fork**
 habitat of 28: 290.
See also **Nation de la Fourche**.
- National Antiquities**, preservation of 25: xx.
- National Committee**, establishment of 19: 107.
- National Council**
 enactment by 19: 86 *sq.*
 establishment of 19: 107.
- National Deaf-Mute College** 1: 321, 408.
- National Monuments**, creation of 28: 18; 29: 20.
- National Museum**
 acknowledgments to members of 20: 17.
 acknowledgments to 6: 4, 9; 20: 16.
 figured specimens from 6: 474, 479, 480, 481, 487, 488, 489, 490, 492, 493, 494, 495, 496, 502, 503, 504, 505, 506, 507, 512, 513, 515, 516, 518, 521, 522, 523, 524, 525, 526, 530, 531, 532, 535, 539, 555, 556, 559, 560, 563, 565, 566, 576.
 pottery in 4: 285, 287, 321, 331, 333, 357, 367, 378, 382, 391, 397, 403, 409, 413, 418, 422, 429.
 prayer plumes obtained from 23: 120.
 publication on pipes by 20: 45.
See also **Museum**.
- National Museum, Canada** 46: 166.
- National Park Service**
 cooperation with 41: 3.
 mention of 41: 26.
- National Research Council**, work in Alaska of 46: 30.
- National Zoological Park**, erection of wigwam in 18: xxvii, xxxv.
- Nations**, organization of 20: xc *sq.*, xcii.
- Native Races**, by H. H. Bancroft, cited 4: 64, 65, 66, 73, 78, 88.
- Native Tribes**, *Cyclopedia* of 22, i: xxxvii.
- Natividad**, departure of Alarcon from 14: 478.
- Natni**, Arapaho name of the Sioux 14: 1057.
- Natnihina**, Arapaho name of the Sioux 14: 1057.
- Natowasepe**. *See* **Notawasepe**.
- Natural**
 pantomime 1: 280.
 selection among Seri 17: 157* *sqq.*
 signs 1: 307, 340.
- Natural and Aboriginal History of Tennessee**, cited 4: 21, 33.

Natural Forms

- benches 38: § 331.
- boxes 38: § 385.
- clubs 38: § 149.
- cups 38: § 384.
- grates 38: § 334.
- mats, trays, baskets, knapsacks 38: § 453.

Natural Phenomena

- Eskimo conception of 18: 449.
- Indian idea concerning 14: 721.
- Omaha name for 27: 110.
- sacred regard for 14: 919.
- sacred significance of 15: 182.
- symbolism of 14: 905.

Natyati. *See* Summer Dance.**Naufawpi Creek**, mention of 42: 37, 39.**Naugatuck Language**, material from 43: 215.**Naumoff**, —, drawings and interpretation of 4: 147–150, 152, 153, 154, 155, 195, 205, 206.**Navaho**

- absence of Ghost dance among 14: 810, 926.
- agriculture of the 16: 84.
- and Arapaho warfare 14: 954.
- and Hopi beliefs, comparison of 15: 266.
- and Hopi intermarriage 17: 658.
- attendance of, at Snake dance 16: 287.
- beliefs of 26: 252 *sq.*
- burials in cliff villages 16: 109, 110, 115, 117, 130, 132, 134, 138, 142, 148, 150, 152, 158, 167–170, 197.
- cardinal mountains of 29: 44.
- ceremonial circuit of 17: 681.
- cliff dwellings used by 16: 154.
- cliff ruins utilized by 16: 96, 104, 152.
- collections from 14: xxxix.
- color scheme of 29: 42.
- common use of silver disks as ornaments by 21: 62.
- depredation in Tusayan 17: 585.
- enemies of Isleta 47: 205.
- expedition against the 16: 79.
- former and present condition of, compared 17: 502.
- games of the 24:
 - archery 383, 385 *sq.*
 - ball race 666, 668.

Navaho—Continued

- games of the 24—continued
 - baseball 789, 790.
 - beanshooter 763.
 - bull-roarer 750.
 - cat's cradle 762, 763–767, 775.
 - dice games 92–97, 162, 190, 222, 223.
 - hidden ball 339, 346–349.
 - hoop and pole 322, 421, 429, 457–460, 519.
 - quoits 722.
 - running race 803 *sq.*
 - shinny 117, 623 *sq.*
 - unclassified 781.
- Ghost dance doctrine among the 14: 785.
- granaries in cliff ruins 16: 97.
- habitat, description of 17: 477.
- habits of the 17: 481.
- hogan, resemblance of, to dwellings in Alaska 46: 82.
- hostility to Cheyenne 17: 301.
- house sites in Canyon de Chelly 16: 87.
- houses, memoir on 17: LXII–LXV, LXX *sqq.*, 469–517.
- houses, sites of 16: 152.
- hypnotism in ceremony of 14: 811.
- in Antelope Valley 17: 592, 593.
- in fight with Tewa and Hopi 29: 257.
- influence of, on Pueblo architecture 19: 642 *sq.*
- intermarriage with Zuñi 29: 403.
- katechins derived from 21: 126.
- katechins on Hopi pottery 17: 658.
- killing of, by a Kiowa 17: 320.
- Kiowa hostility to 17: 165, 345.
- Kiowa pony stolen by 17: 326.
- Kiowa war parties against 17: 175, 231, 301, 322.
- land cessions and reservations 18: 780, 848 *sqq.*, 892, 898, 916, 920, 944.
- late appearance of, in Tusayan 17: 581.
- memoir on 19: xxix.
- modern condition of the 17: 486.
- mythology of the 24: 95 *sq.*, 356 *sq.*, 436 *sq.*, 623 *sq.*, 766, 790, 804.
- myths of the 19: 443, 447, 448, 468, 501.

Navaho—Continued

- name applied to stillborn 47: 214.
- name of Awatobi 17: 594.
- name of the Comanche 14: 1043.
- name of the Paiute 14: 1048.
- names for 29: 399 *sq.*, 573, 575.
- part of population of Nambé 29: 360.
- peaches cultivated by 16: 88.
- pictis used by 30: 57.
- piñon nuts furnished by, to Zuñi 30: 70.
- pollen used in ceremonies of 14: 705.
- population of 17: 483.
- recent advent of, in New Mexico 17: 658.
- researches among the 41: 67 *sq.*
- shell assignments of 29: 44.
- shrine robbed by 17: 612.
- significance of songs of 14: 1009.
- similarity in dress of Hokyaña drummer to that of 21: 94.
- slain, offering to 47: 677.
- statistics concerning the 14: 809.
- structures in cliff dwellings 16: 140.
- study of fraternities and cults of 19: XLVII.
- study of the 16: XLVII *sq.*
- sun in tribal mythology of 26: 239.
- swastika among the 28: 139.
- tradition of cliff dwellings 16: 191, 198.
- trails in Canyon de Chelly 16: 157.
- use of language of, as trade language 19: 188.
- walls in cliff outlooks 16: 152.
- weaving of 29: 11.

See also Navajo.

Navaho Añya Katcinas

- description of picture of 21: 88.
- personification of, by chorus in Palülüköñti festival 21: 44.

Navaho Añyas, similarity of masks of, to those of the Hopi 21: 88.**Navaho National Monument, Ariz.**, cliff dwellings of 28: 194, 195.**Navait.** *See Saguario.***Navajo**

- Asa of Tusayan live among 8: 30.
- beliefs, reference to 11: 369.
- blankets 3:
 - mode of weaving 383.

Navajo—Continued

- blankets 3—continued
 - mode of weaving, diagonal 383.
 - mode of weaving, diamond 384.
 - varieties of 385–388.
 - burial 1: 123.
 - ceremonial use of colors by 10: 623 *sq.*
 - ceremony, the Mountain Chant 5: XLIV–XLVIII, 379–476.
 - chungke game among the 13: 99.
 - dyeing 3: 377.
 - dyes 3: 376.
 - effects of, on Pueblo tribes 13: 260.
 - fetishes 2: 44.
 - field work among, of Dr. W. Matthews 6: XXXVIII *sqq.*
 - habitat of 7: 54.
 - healds and loom used by 3: 380.
 - hogan or hut 4: 473.
 - hogan, construction of 13: 237.
 - huts of, closed with blankets 8: 189.
 - linguistics and custom, work on 5: XXX.
 - looms 3: 377.
 - method of sheep herding compared with Pueblo 8: 214.
 - medicine dance, studies of 7: xxv.
 - paper on Hasjelti Dailjis ceremonial and sand-painting of 8: 229–285.
 - position in weaving 3: 380.
 - rites, seasons for 5: 386.
 - sand paintings of 10: 210 *sq.*
 - silversmiths, article on, discussed 2: XXXIII, 167.
 - symbolic colors of 11: 532
 - warp of blankets 3: 378 *sq.*
 - warp of sash 3: 388.
 - weavers 3: 371–391.
 - wool 3: 375.
 - work among the 10: xviii.
- See also Navaho.*

Naval Observatory, ancient quarry at 15: 31, 66.**Navel-string**

- mention of 35: 652, 655, 656; 38: § 905.
- of twins, used for magical purposes 35: 697 *sqq.*
- pouches, use of 45: 281.
- used for magical purposes 35: 696, 699.

- Navels**, men with mouths at 30: 364.
- Navarette, Augustin**
 Chanca letter copied by 25: 208.
 citing Cantero on three-pointed stones 25: 129 sq., 131.
 diary of Columbus printed by 25: 203.
 on Porto Rican shell-heaps 25: 86.
 on stone collars 25: 168 sq.
- Navarrete, —**, cited on date of petition of Cortes 14: 367.
- Navarrete, R. de**
 on belief in God 30: 119.
 on guarding traditions 30: 345.
- Navarro, Cayetano**, attack on Seri by 17: 116.
- Navarro, Garcia**, on effect of Marco's report 14: 366.
- Navigation**
 Eskimo 11: 236.
 Eskimo proficiency in 6: 643.
 Seri 17: 10, 49, 61, 67, 82, 106, 215*-221*.
 Seri, effect on race of 17: 159*.
- Navitco**
 ceremonies in honor of 26: 108, 168, 266.
 in Pima song 26: 326 sq.
 supernatural character of 26: 175.
- Na-wa-gi-jig**, story of, in signs 1: 508.
- Nawat**, native name of Left-hand 14: 957.
- Nawathi'néha**, name of southern Arapaho 14: 955.
- Nawphawpe River**, identified as Nau-fawpi Creek 42: 39.
- Na'wunēna**, name of southern Arapaho 14: 955.
- Naxapee**, population of 7: 49.
- Naxnaxu'la**, Qweq'sōt!Enox^u, legend of the 35: 1249.
- Naybi**, identified with Oraibi 17: 612.
- Nazario, Padre**
 archeological collection of 25: 18 sq.
 on landing place of Columbus 25: 33.
 on map of Cosa 25: 77.
- Nazco, Peru**, collection from 30: 22.
- Nea Mathla**, reservation for 18: 706.
- Neah Bay**, treaty of 18: 800.
- Neapolitan gestures and signs** 1: 289, 296-305.
- Nebómes, Southern Pima**, reference to 28: 70 sq., 152.
- Nebraska**
 characteristics of pottery of 20: 145.
 description of, by Castañeda 14: 528.
 description of Quivira 14: 591.
 early man in 28: 15 sq.
 explorations in 11: XLIII.
 field work in 20: LX.
 jurisdiction over Omaha 27: 624.
 Kiowa formerly in 17: 155.
 Kiowa military posts, etc., in 17: 385.
 location of Quivira in 14: 397.
 office work on material from 20: IX.
 Omaha lands in 27: 623.
 petroglyphs in 10: 90 sqq.
 pottery from 20: 199 sq.
 troop in Sioux outbreak 14: 876.
- Nebraska City**, treaty of 18: 798.
- Neck**
 of child shaped 35: 640.
See also Necks.
- Neck Ornaments** 38: § 537.
- Neck Rings**
 of cedar bark 35: 874, 1071.
 of red cedar bark, for shamans 35: 721.
- Necklaces**
 appearance of, in Hopi pictures 21: 83, 88, 119.
 description of 45: 81 sq.
 from Porto Rico 34: 131.
 human bones used as, by Hopi kateinas 21: 76.
 in Sikyatki graves 17: 733.
 in Tusayan ceremony 15: 282, 297.
 of human fingers 9: 480-487; 14: 1024.
 of human teeth 9: 487 sqq.
 of kateinas, description of 47: 871.
 of shell or stone 34: 230, 231.
 of the Dakota 17: 281.
 of the Eskimo 9: 148.
 of the Guiana Indians 38: § 531-536.

Necklaces—Continued

- of the Oraibi dancers 16: 292, 294.
- of the Seri 17: 172*.
- of the Winnebago 37: 109.
- of various parts of the human body 9: 483-489.
- use of, in decoration of Teutckutù 21: 67.

See also **Shell; Turquoise.**

Necks

- Eastern United States, development of 20: 62.
- Gulf Coast pottery 20: 105, 108.
- Iroquoian pottery 20: 161.
- Middle Mississippi Valley pottery 20: 90-93.
- New Jersey-New England pottery 20: 175.
- Northwestern pottery 20: 196.
- Ohio Valley pottery 20: 185.
- Piedmont-Virginia pottery 20: 149.
- Piedmont-Virginia pottery, prominence of band around 20: 150.
- Potomac-Chesapeake pottery 20: 151.
- South Appalachian pottery 20: 140.
- Southern and Northern pottery 20: 145, 147.
- Spanish olive jars 20: 129.

Necotowance, act of Virginia assembly affecting 18: 565.

Necrology

- Frank Frederick Hilder 22, i: XL sqq.
- Garrick Mallory 16: LXXX.
- James Constantine Pilling 17: LIX-LXII.

Necromancy

- development of 19: LXXXV sq.
 - in savagery 16: 21.
- See also* **Magic.**

Nectandra Rodiei. *See* **Greenheart.**

Neebosh's Band

- cession of reserve by 18: 758.
- reservation for 18: 740.

Needle

- bone, of Oregon Indians 13: 117.
 - bone, used with kuraua 38: § 70.
 - decoration of pipes by 20: 55.
 - flat split eye 38: § 47, 48.
 - of the Nenenot 11: 310.
 - rounded split eye 38: § 51, 52.
 - use of, among Indians 14: 562.
 - wooden, hooked 38: § 49, 50.
- See also* **Needles; Perforator.**

Needle cases

- fossil ivory 46: 174.
- of Chiriqui 6: 150.
- of the Eskimo 9: 318, 320 sqq.; 18: 103 sq.

Needle Grass, mention of 33: 66.

Needle-like Implements of bone, from Pueblo ruin, finding of 22, i: 94.

Needles

- bone, from Awatobi 17: 627.
 - Eskimo 18: 106 sqq.
 - netting, from Guadeloupe 34: 136.
 - netting, from Porto Rico 34: 131.
 - netting, of the Eskimo 9: 312 sq.
 - sewing, of the Eskimo 9: 318 sq.
 - splint-bone, from mule deer 44: 133 sq.
 - used by Eskimo in making nets 18: 192 sq.
 - used to apply medicine 44: 333.
- See also* **Needle.**

Needlework of Eskimo women 18: 197.

Neeswaughgee's Band

- cession of reserve by 18: 758.
- reservation for 18: 740.

Neff, P., boat-shape stone in possession of 13: 116.

Negation

- gesture sign for 10: 644.
- of affirmative, in sign language 1: 391.
- of affirmative, signs for 1: 290, 299, 300, 304, 355, 440, 494.

Negative Verb, formation of 28: 261, 270, 274.

Neglect of aged and feeble 38: § 917.

Negro-cop. *See* **Mycteria.**

Negroes

- blood of, in Eskimo at Point Barrow 46: 111.
- death of, accompanying Coronado 14: 555, 564.
- in Cherokee nation 19:
 - education of 155.
 - myth concerning 351.
 - myths of 448, 450, 452, 483.
 - number of 155, 157.
 - relation of myths of, to Indian myths 231, 233-236.
- influence on, of Indian culture 34: 12.
- Island of 14: 545.

- Negroes**—Continued
 mention of, in New Spain 14: 348, 379, 402, 406.
 Omaha name for 27: 612.
 payment for murder of 42: 344.
 raquette played by 24: 604 *sq.*
 slave, Estevan a purchaser of 14: 348.
 slavery of 38: § 776.
 Tewa name for 29: 575.
 with Coronado 14: 506, 592.
- Nehantic**
 absorbed by the Mohegan 43: 207, 209.
 account of the 18: 613.
 division of the 43: 217.
 ethnological survivals of 43: 209.
 habitat of the 43: 217.
 incorporation of, with the Narragansett 43: 217.
 synonyms for 43: 221.
- Neighbors, Robert S.**, on hand game, Comanche 24: 309.
- Neil, Hugh**, inclosure on land of, New York 12: 512.
- Neil, Col. T. H.**, surrender of Cheyenne to 17: 212.
- Neill, —**, on trade of Omaha 27: 80 *sq.*
- Neill, Rev. Edward Duffield**
 on course of Dakota migration from wild rice fields 19: 1044.
 on Dakota curing wild rice 19: 1064.
 on Dakota eating wild rice 19: 1083.
 on Dakota storing wild rice 19: 1072.
 on Dakota threshing wild rice 19: 1068.
 on Dakota tying wild rice 19: 1058.
 on Dakota villages 19: 1045.
 on Dakota wild rice moon 19: 1090.
 on hidden ball, Dakota 24: 365.
 on influence of wild rice on geographic nomenclature 19: 1023.
 on Ojibwa eating human flesh with wild rice 19: 1084.
 on popular synonym for wild rice 19: 1023.
 on racket, Santee Dakota 24: 614.
 on Stephen Brulé as first white man to visit Ojibwa 19: 1059.
- Nelaton, —**, cited on primitive trephining 16: 28.
- Nelson, Aven**, on absence of wild rice in Wyoming 19: 1032.
- Nelson, Prof. Edward William**
 collection of earthenware vessels from eastern central Arizona by 6: L.
 collection of stone-clothes by 8: 193.
 contributor to Bureau 48: 1189.
 Eskimo research of 7: 73.
 graves unearthed by 8: 86.
 material collected by 24: 103, 474, 701, 729.
 memoir by 18: LI-LIV, 19-518.
 mention of 46: 165, 169, 171, 173, 174, 177, 181, 210, 213, 225, 322, 371.
 mention of exploration in Alaska of 46: 30, 32.
 obituary of 48: 1221.
 on Athapascan habitat 7: 53.
 on certain ruined Pueblo features 13: 202.
 on football, Western Eskimo 24: 701.
 on hand-and-foot ball 24: 706 *sq.*
 on hoop and pole, Western Eskimo 24: 474.
 on jackstraws, Western Eskimo 24: 729 *sq.*
 on masks 3: 122, 124, 129-133, 134, 135, 136.
 on minor amusements, Western Eskimo 24: 715.
 on myth of thunder-bird 3: 120.
 on running races, Western Eskimo 24: 805.
 on shinny, Western Eskimo 24: 629.
 on top spinning, Western Eskimo 24: 738 *sq.*
 on use of images of birds in games, Eskimo 24: 103.
 petroglyphs described by 10: 60 *sq.*
 pottery obtained by 4: 279, 292, 353.
 publication of paper by 19: xxx.
 work of 7: xxviii, xxix, xxxiii; 8: xxvii; 18: xxxiii *sq.*
- Nelson, N. C.**, acknowledgments to 29: 38.
- Nelson, T. F.**, mounds on farm of 5: 61-66, 90; 12: 334, 335.
- Nelson, W.**, work of 9: xli.

- Nelson, Wilbur A.**, acknowledgment to 41: 89, 494.
- Nelson Island**, mention of 46: 168.
- Nelson Island Crania**
basiofacial diameters 46: 279, 282.
children, skulls of 46: 295, 296.
dental arch 46: 276.
facial 46: 266.
facial angles 46: 285.
means 46: 286.
mention of 46: 257, 259, 262, 363.
nose 46: 268, 270.
orbits 46: 274.
- Nelumbo Lutea**
a life symbol 36: 111.
a sacred plant 39: 129, 195.
mention of 33: 79.
- Nemaha County, Nebr.**, reference to 27: 622.
- Nemoak Society** of the Menomini 14: 157-161.
- Nemshaw** land cessions and reservations 18: 784.
- Nenana**
absence of remains at 46: 39.
Chief Thomas of 46: 38.
Indians of 46: 124.
village 46: 125.
- Nenenot Indians**, description of 11: 183, 267.
- Nenetooyah**, change of name by 19: 69.
- Nentoig.** See **Mentuig.**
- Nentwig.** See **Rudo Ensayo.**
- Neolithic**
class of artifacts, discussion of 17: 252.
industry, primitive, Bonasila 46: 145.
- Neotoma sp. (?)**, Pima food 26: 80.
- Nepeta Cataria**
introduced by the whites 33: 59.
medicinal constituents of 44: 304.
medicinal properties of 44: 301.
use of 44: 290, 354.
- Nephew**
application of the term 42: 81, 92.
term for, used by women 42: 83.
use of the term 40: 376 sq.
use of the term, by clans 42: 145.
- Nephrite**
Eskimo implements made of 18: 82, 92, 145, 171, 197.
Eskimo ornaments made of 18: 48.
- Nephrite—Continued**
Eskimo surgical instruments made of 18: 310.
stone of Leyden Museum 22, i: discussion and figure of 302 sq. significance of date on, discussion of 294.
See also **Jade.**
- Nepissing**, jugglers among the 14: 62, 138.
- Nepoics**, a nation of Trinidad 34: 64.
- Neptune, François**, informant, mention of 43: 171, 173, 177.
- Neptune Family**, information concerning 43: 176.
- Nereis sp.** See **Periwinkle.**
- Nerm** 1: 142.
- Nēsa'di Tlingit clan**
history of 26: 411.
phratry and tribe of 26: 399.
- Neshoba River**, called River of the Wolves 42: 46.
- Nespelim**
and Sanpoil affinity 14: 733.
basketry of the 41: 154, 156, 414.
imbrication learned by the 41: 140.
origin of the 45: 214.
- Nespilem**, population of 7: 105.
- Nest**
bird's string figure of 38: § 667, 684.
oriole's 22, ii: rite of making the 242 sqq., 357, 358.
symbolism of 34, 243 sqq., 358.
treatment of, in Hako ceremony 20.
use of 20.
See also names of different birds.
- Nest-shaped Baskets**, term for 41: 397.
- Nestucca**, habitat of 7: 104.
- Net**
fishing, for crab 38: § 220.
fishing, for manati 38: § 169.
for sea-eggs 35: 163.
use of, in finishing 20:
Iroquoian pottery 163.
Middle Atlantic Coast pottery 148, 151, 152.
New Jersey-New England pottery 177.
use of, in modeling South Appalachian pottery 20: 134.

Net—Continued

See also **Fabrics; Nets; Paddles; Roulette; Textiles.**

Net-making Implements of the Eskimo 18: 190-195.

Netchillirmiut Eskimo Tribe, situation of 6: 452-458.

Netherworld People. *See* **Underworld People.**

Nets

for animals, Eskimo 18: 118-131.

for birds, Eskimo 18: 131-135.

for fish, Eskimo 9: 284 *sqq.*; 18: 185-190.

for seal, Eskimo 9: 251.

from Atlantic Coast 3: 419.

making of 41: 138.

manufacture and use of 13: 26.

of the Coeur d'Alène 45: 55.

of the Florida and Virginia Indians 13: 45.

used for fishing 45: 107.

used in hunting 45: 245.

See also **Net.**

Netting

measure 35: 163.

needles, Kwakiutl 35: 163.

needles, Eskimo 9: 312 *sq.*

tools of the Eskimo 9: 312-315.

weights of the Eskimo 9: 315 *sq.*

Nettles, R. H., killed at Wounded Knee 14: 872.

Nettles

bark of 35: 163.

bark of, for cauterizing 35: 695.

employment of, in spinning 13: 22.

mention of 33: 77.

use of 44: 294; 45: 471, 499, 505.

See also **Bull Nettle; Urtica Gracilis.**

Neumann, Eduardo

elbow stone figured by 25: 174.

on specimens of Antillean skulls 25: 29.

on stone collars 25: 169.

Neumann, Dr. Felix

editorial work of 34: 25.

work of 36: 28.

Neumann, R., acknowledgments to 18: 21.

Neumann Collection, description of 25: xv.

Neuralgia

among the Pima 26: 268.

treatment of 42: 655.

Neutral Land

cession of 18: 840, 848.

grant of 18: 754.

proposed cession of, by Cherokee 5: 319, 320.

Neutrals, hostility of the 30: 20.

Nevada

arrow point material found in 14: 283.

geographic character of 14: 765.

military posts in 17: 385.

petroglyphs in 10: 92-96.

pictographs 4: 24, 25, 60, 157.

Pueblo pottery in 4: 287.

Neville, A. C., on the habitat of the Winnebago 37: 80.

Nevis, Island of

archeology of 34: 158.

number of specimens from 34: 49.

perforated stone from 34: 125.

torso from 34: 11.

Nevóme Dialect, work on 26: 20.

New Albin, Iowa

mounds near 5: 26.

rock carvings at 4: 23, 24.

New Britain, Duk-Duk ceremony of 3: 100.

New Brunswick

wild rice in 19: 1037.

work in 10: xii *sq.*; 19: xvii *sq.*; 20: ix, xi.

New Caledonia, drawings from 10: 743.

New Caves, near Flagstaff, Ariz., description of 22, i: 37 *sq.*

New Connecticut. *See* **Connecticut.**

New Corn Crop

celebration of 42: 550, 568.

See also **Busk; Green Corn Dance.**

New Echota

adoption of Cherokee constitution at 5: 374.

attendance at conference at 19: 123.

attitude of Cherokee toward treaty of 19: 135.

capital of Cherokee nation 19: 107.

Cherokee council at 5: 280.

constitution convention at 19: 112.

New Echota—Continued

East Cherokee rights to benefits of treaty of 19: 165, 167.

Major Davis on treaty of 19: 126.
provisions of treaty of 19: 227 sq.
ratification of treaty of 19: 125 sq.
treaty of 15: 754; 19: 123 sqq., 158 sq.

New England

blending of Iroquois and Algonquian wares in 20: 175.

Canadian pottery resembling that of 20: 170.

paucity of ceramic collections of 20: 147.

pottery from 20: 167 sqq., 178 sq.
relations of pottery of 20: 147.

rock carving in 4: 19.

See also New Jersey-New England.

New England Magazine, article on Connecticut archeology in 20: 178.

New England Tribes

combination of, as Brotherton Indians 43: 211.

extinction of 43: 168.

See also New England Tribes, Southern.

New England Tribes, Southern

affiliations of 43: 214 sqq.

composite character of 43: 210 sq.

culture of 43: 222.

migration of 43: 222.

New Fire

belief concerning 42: 594.

burial under, of old fire 42: 589.

ceremonies of the Hopi 17: 586, 602.

ceremony 42: 545, 555, 562 sq., 570, 571 sq., 577, 581, 583, 589, 595 sq., 609.

ceremony, appearance of Wüwüteimtü and Tataukyamü in 21: 73.

ceremony, Cherokee 19: 502 sq.

ceremony, description of 21: 24.

ceremony, effect of, on Hopi ceremonial calendar 21: 19.

ceremony, paper on 36: 27.

ceremony, use of fetishes in 22, i: 108.

ceremony, variation in 21: 19.

ceremony, Walpi 28: 135.

distribution of 42: 555, 559, 563, 602, 603, 605.

New Fire—Continued

preparation for 42: 561.

rites, building devoted to 41: 6.

symbolic meaning of sticks of 42: 548.

See also Busk.

New Galicia

conquest of 14: 372.

demoralization of Coronado's army in 14: 401.

description of 14: 513.

explored by Museo de Guzman 14: 351.

uprising in, duration Mixton war 14: 408.

New Granada, burial customs in 6: 19, 20.

New Guinea

mourning colors used in 10: 630.

scarification in 10: 417.

tattooing of Papuans in 10: 411 sq.

New Hamilton 46: 74.

New Hampden, flint quarries near 15: 77.

New Hampshire

aboriginal steatite quarrying in 15: 106.

Indian policy of 18: 639.

New Haven, Indian policy of 18: 607 sq., 616.

New Hebrides

head preserving in 3: 94.

mask of 3: 99.

tattooing in 10: 418.

New Holland, ceremonial chart of 4: 197.

New Ireland, mask of 3: 86.

New Jersey

blending of Iroquoian and Algonquian wares in 20: 175.

fragment from, showing incised imitation of textile markings 20: 79, 80.

Indian policy of 18: 587-591.

occurrence of exotic types of decoration in 20: 176.

occurrence of Northwestern characters in 20: 188.

pottery from, resembling Iroquoian pottery 20: 165.

pottery of 20: 60, 146.

See also New Jersey-New England; Potomac-Chesapeake Province.

New Jersey-New England Province

divisions of 20: 147.

pottery of 20: 175-180.

*See also New Jersey.***New Jersey Tea**

medicinal use of 42: 664.

use of 44: 288, 340.

New Lexington, Ohio, flint deposits

in 44: 512.

New Metlakahtla

a Chimmesyan settlement 7: 65.

founding of 26: 414.

New Mexico

ancient cultural center 28: 157.

antiquities of 28: 17.

archeological map of 26: xx.

archeological work in 41: 39.

burial urn from 1: 138.

character of pottery of 20: 20.

collection of primitive art objects from 23: xli.

collections from 18: xxxi sq.; 28: 20.

collections from Pueblos of 3: 511.

excavations in 39: 10 sq.

explorations in 5: xxiii, xxiv; 11: xxxix.

field work in 20: lx; 21: ix, xi, xviii; 22, i: ix, xiii; 23: ix, xvi, xvii; 27: 7, 10, 11.

Hopi clans from 19: 582, 584.

Kiowa raids in 17: 175, 339.

mapping of ancient ruins in 24: xxi.

masks of 3: 105.

military posts, etc., in 17: 385.

national monuments in 28: 18; 29: 20.

office work on collections from 22, i: xvii.

petroglyphs in 10: 96 sqq., 353, 682.

pictographs in 4: 28, 34, 37, 158, 229.

pottery of 4: 282, 298.

pueblos of, clans from 19: 604-613.

reconquest of 13: 331.

report on collections from 19: xix sq.

researches in 28: 9, 11; 29: 10-20; 30: 11, 16.

ruins of 28:

age of 150.

cliff dwellings of 151.

pottery of 139.

New Mexico—Continued

shell among aborigines of 28: 143.

smallpox in 17: 275.

work in 7: xviii; 19: xiii, xv sq.

*See also Cliff Dwellings; Navaho.***New Netherlands, settlement of 18: 575 sq.****New Orleans, old name of 44: 180.****New Providence, number of specimens from 34: 50.****New River**

pottery of 20: 149 sq.

trails of 42: 749, 759, 770.

New Town. *See New Echota.***New Year**

celebrated by busk 42: 546, 551.

festival of the Iroquois 2: 112, 116.

Mexican festival of the 16: 244.

New Year Fire, ceremony connected with 47: 535, 536 sq., 637 sq.**New Year Ritual. *See Tawinide Ritual.*****New York**

abundance of pipes on recent Indian village sites in 20: 173.

antiquities of, ascribed to the Iroquois 12: 667.

archeologic work in 8: xxi; 13: xxix.

blending of Iroquoian and Algonquian wares in 20: 175.

Cauzeunovia, stockade near 12: 548.

Chautauqua County, ancient works in 12: 502-512.

ethnological work in 8: xxi.

explorations in 12: 503, 545.

field work in 11: xxx; 20: ix, xi; 21: ix; 22, i: ix, xiii; 23: ix.

forms of pipes occurring in 20: 45.

Genesee County, bone flint from 12: 543.

Geneseo, mound near 12: 515.

gorgets from 13: 119.

Indian policy of 18: 575-587.

Jefferson County, Perch Lake, hut-rings about 12: 545.

Livingston County, antiquities in 12: 514, 515.

Madison County, ancient works in 12: 503 sqq.

mounds in 5: 10.

New York—Continued

- Niagara County, antiquities in 12: 512.
 office work on material from 20: ix.
 petroglyphs in 10: 98 sq.
 pottery of 20: 21, 22, 167.
 pottery of, relation of, to ware of Northwest 20: 196.
 pottery of, reported occurrence of, in Alabama 20: 105.
 pottery of, resemblance of New Jersey-New England ware to 20: 175.
 researches in 28: 10, 14.
 Syracuse, stone graves near 12: 547.
 Wyoming County, Dunn Farm, inclosure on 12: 513, 514.

New York Academy of Science,
archeological work of 34: 51.**New York Bay**

- pottery of 20: 178.
 resemblance of pottery of, to that of Norfolk 20: 176.

New York City, treaties of 18: 652, 656.**New York Colonial Documents** on popular synonym for wild rice 19: 1023.**New York Indians**

- cessions for 18: 728, 742 sqq.
 land cessions and reservations by 18: 768-772, 860, 876, 892.
 land cession to 14: 25, 26.
 land treaty with 14: 29.
 westward removal of 14: 23.

See also Brothertown; Five Nations; Iroquois; Mohawk; Munsee; Oneida; Seneca; Seven Nations of Canada; Six Nations; Stockbridge; Tuscarora.

New Zealand

- and Central American linguistic similarities 16: 236.
 and Zapotec terms, comparison of 16: 262.
 color, religious and ceremonial use of, in 10: 627 sq.
 grave effigies in 4: 200, 201; 10: 525 sq.
 petroglyphs in 10: 165 sqq.
 red in 4: 56.

New Zealand—Continued

- tattooing in 4: 73, 75, 76; 10: 409 sq.
 wood carvings in 10: 685 sq.
See also Maori.

Newark, Ohio.

- earthworks in 13: xxvii.
 fraudulent inscribed stones from 10: 760.
 mounds in 5: 46.
 rock carvings at 4: 21.

Newark Track Rock, Ohio. 10: 101 sq.**Newark Works, Newark, Ohio** 12: 459, 468.**Newberry, General** —, mounds on land of 12: 85.**Newberry, J. S.,** on wild rice in Lake Huron 19: 1037.**Newberry Library**

- reference to 42: 680.
 visited by Dr. J. R. Swanton 38: p. 4.

Newchowwe land cessions and reservations 18: 782.**Newcombe, Dr. Cyrus F.**

- acknowledgments to 24: 29.
 material collected by 24: 259.
 on bean shooter, Kwakiutl 24: 760 sq.
 on dice games, Clayoquot 24: 196.
 on dice games, Haida 24: 189.
 on dice games, Kwakiutl 24: 196, 197.
 on hand game, Kwakiutl 24: 321.
 on hoop and pole, Haida 24: 517.
 on hoop and pole, Kwakiutl 24: 520.
 on hoop and pole, Salish 24: 491.
 on jackstraws, Haida 24: 730.
 on Kasaan 26: 409.
 on quoits, Haida 24: 725.
 on quoits, Kwakiutl 24: 725.
 on ring and pin, Clayoquot 24: 558 sq.
 on ring and pin, Kwakiutl 24: 559.
 on shuttlecock, Kwakiutl 24: 718.
 on stick game, Haida 24: 259.
 on stick game, Kwakiutl 24: 263.
 on top game, Haida 24: 747.
 on unclassified games, Haida 24: 784.
 on unclassified games, Kwakiutl 24: 785, 786.
 petroglyphs reported by 10: 72.

- Newcombe, F. C.**, on wild rice in Michigan 19: 1030.
- Newcomerstown Gravels**, observations on 15: xvi.
- Ne'wekwe**, *Galaxy Fraternity*
actions of 23: 106.
buffoonery by 23: 107.
description and costume of 23: 106.
See also Galaxy Fraternity.
- Newell, C. H.**, killed at Wounded Knee 14: 872.
- Newell, R.**, grant of land to 18: 826.
- Newettee**
chiton eaten by 35: 483.
whale flensing among 35: 465.
- Newfoundland**
aborigines of 7: 57.
Spanish name for 14: 513.
wild rice in 19: 1037.
- Newhouse, Chief Seth**
annalist 21: 137.
Mohawk cosmological myth related by 24: xviii.
translation made by 41: 10.
work done by, on League of the Iroquois 44: 8.
- Newland, Mrs. —**, mention of 47: 13.
- Newman, Charles B.**
assistance of 38: p. 19.
transfer of 41: 44.
work of 36: 33; 37: 29; 39: 25; 40: 19; 41: 18, 42.
- Newman, D.** 46: 167, 174.
- Newport, Tenn.**, collection of relics from 3: 438-441.
- Newsam, A.**, mention of 34: 68.
- Newspapers, Cherokee** 19: 111 sq.
- Nexa'di**, *Tlingit clan*
crests of 26: 415, 455.
history of 26: 409.
names of 26: 422.
tribe 26: 398.
- Nex'a'di**, a Tsimshian group 31: 478.
- Nexpa River**
followed by Coronado 14: 585.
identification of 14: 387.
- Nez Percé**
a Caddo synonym 14: 1092.
a Sahaptin synonym 14: 744.
affinity of the Pälus with 14: 735.
affinity of Wa'napum with 14: 735.
- Nez Percé—Continued**
and Cayuse languages, comparison of 15: xl.
and Syracuse intermarriage 14: 744.
associations of, with other tribes 45: 319 sq.
basketry of the 4: 135, 136, 354.
burial customs of 45: 175 sq.
caps worn by the 4: 354.
cause of war with the 14: 712.
Flathead name for 45: 300.
games of the 24:
hand game 304, 305.
hoop and pole 493.
shinny 632.
habitat and population of the 14: 805.
hunting grounds of the 45: 305 sq.
Kiowa name of the 17: 154.
land cessions and reservations 18: 806, 812 sqq., 826, 864, 882, 892, 894, 898, 910, 912, 916, 920, 948.
language, work done on 44: 6 sq.
linguistic manuscript obtained 15: xxxi, lxxxv.
location of the 45: 37.
name of, in sign language 45: 147.
named by error 4: 121.
Omaha name for 27: 102.
population of the 45: 314.
removal of, to Indian territory 5: 364.
settlement of, on Cherokee Strip 19: 151.
visit of, to Wovoka 14: 805.
visit to Kiowa by 17: 351.
vocabulary, acquisition of 10: xiv; 18: xliii.
war of, with the whites 45: 372 sq.
wars of, with the Coeur d'Alène 45: 125.
wars of, with the Okanagan group 45: 258.
See also Sahaptin
- Nhalené**, the Carib fleet admiral 38: § 741.
- Ni**
significance of, in Maya 16: 219.
See also Gui.
- Niagara**, Indian council at 14: 18.
- Niagara Falls**, origin of, Iroquois myth 2: 54.

- Niaha'no'**, song composed by 14: 1099.
- Niaketsikûtk**, Kichai name of the Sioux 14: 1057.
- Níaqtaŵápmi**
a Menomini chief 14: 44.
member of Menomini court 14: 35.
portrait of 14: 50.
- Niārharis-kûrikiwās-Hûski**, Wichita name of the Arapaho 14: 954.
- Nia'thuǎ**, Arapaho name of the whites 14: 962, 978.
- Nibbi**, bush rope 38: § 72.
- Niblack, A. P.**, cited 12: 726.
- Niça**, —
on Acoma 29: 543.
See also Niza.
- Nicaragua**
character of pottery of 20: 20.
petroglyphs in 10: 141, 686.
pictographs in 4: 40.
- Niches**
formed in old window openings 8: 110, 200, 208 sq.
in kiva walls 16: 178.
use of, in kivas 8: 121, 122.
- Nĩ'chiheñ'na**, a Kiowa synonym 17: 149.
- Nĩ'chině'na**, a Kiowa synonym 14: 1078.
- Nicholas the Venetian**, quotation from 14: 571.
- Nicholas County, Ky.**, occurrence of earthenware spoons in 20: 44.
- Nichols, Doctor** —, collection loaned by 34: 124.
- Nichols, Mrs. Frances S.**
appreciation of work of 48: 30.
work of 25: xx, xxv; 26: xxxi; 27: 13; 29: 12, 24; 30: 17; 36: 29; 37: 27, 29, 31; 38: p. 19, 21; 39: 23 sq.; 40: 17, 20; 41: 21, 41, 69, 92, 113; 42: 16; 43: 15, 19; 44: 15, 19; 45: 16, 19; 46: 16; 47: 11, 14; 48: 17.
- Nichols, Kerry**, cited on Maori monsters 16: 214.
- Nichols, Lieut. Maury**, Kiowa agent in 1893 17: 226.
- Nichols County, W. Va.**, pictographs in 4: 22.
- Nicholson**, —, treaty concluded by 18: 633.
- Nicholson, Governor** —, conference with Cherokee by 19: 34.
- Ni-cí-he-nen-a; Nitchihi**, Kiowa synonyms 17: 149.
- Nickajack Towns**
building of 19: 54.
destruction of 19: 78.
effect of destruction of 19: 68.
mention of 42: 750.
- Nickajack Trail** 42: 846, 848.
- Nicknames**, examples of 47: 217.
- Nicobarese** mortuary tablet 10: 527.
- Nicola Band**
basketry of 41: 157, 322, 323, 324, 434, 436, 445, 452 sq.
territory of 45: 448.
- Nicola Family**, information concerning 43: 176.
- Nicolar, Chief Joseph**
material collected by 24: 84.
on dice game, Penobscot 24: 84.
- Nicolas, Chief** —
contemporaries of 45: 270.
head chief of the Okanagon 45: 259.
life of 45: 267-270.
mention of 45: 262.
- Nicollet, Sieur Jean N.**
cited 12: 44.
explorations by 14: 12, 15.
observations by 12: 42.
on discovery of Menomini and their use of wild rice 19: 1048.
Winnebago met by 15: 196.
- Nicolls, Richard**, permits to purchase land issued by 18: 578 sq.
- Nicotani.** *See Ani'-kuta'ni.*
- Nicotiana Attenuata**
mention of 45: 467, 494, 495.
tobacco used by the Pima 26: 119.
See also Tobacco.
- Nicotiana Quadrivalvis**
mention of 33: 113.
probable place of origin of 33: 59.
- Nicotiana Tabacum.** *See Tobacco.*
- Niculuita**, a Tlaqluit synonym 14: 740.
- Nida**, application of the term 27: 194.
- Nidever, Capt. George C.**
mention of 42: 8.
owner of Burton Mound 41: 108; 44: 57, 58.
- Niece**
application of the term 42: 82-92.

Niece—Continued

relation of, to uncles 40: 323 *sqq.*,
331, 333, 335, 340.

term for, used by women 42: 83.

Niel, —, on migration of Tanoan
peoples 19: 611.

Niel, José Amando

on San Pablo ruin 29: 508.

on Tanoan migration to Tusayan
17: 578, 584.

Niererikwato-kûniki, Wichita name
of the Cheyenne 14: 1023.

Nigger Head, a plant used in cases of
tuberculosis 42: 662.

Nigger Weed, use of, in ceremonials
30: 98.

Night

a man-being in Iroquoian cosmology
21: 174, 224.

association of, with death 27: 588.

at Arctic Circle 46: 100.

attack in warfare 38: § 762.

beliefs concerning 11: 467.

clouds, string figure of 38: § 686.
in Omaha conception 27: 128, 494,
505.

in Pima religion 26: 251, 253, 254.

in Pima song 26: 302.

in Ponca conception 27: 507.

mythic origin of 14: 200.

representation of, in Hako ceremony
22, ii: 21.

signs and symbols for 10: 699 *sq.*

signs for 1: 358.

symbolism of 22, ii: 42; 27: 254,
513, 517.

See also Day and Night; Darkness.

Night-blessed Children, society of
37: 329-343.

Night Chants 47: 710-756, 762-776.

Night Doctor 46: 112.

Night-hawk as a symbol 39: 50.

Night People Gens 36: 123 *sq.*

Night Singing 39: 68 *sq.*

Night Songs, singing of 37: 533.

Night Spirit Dance, a religious
society 37: 204.

Night Spirits

association of, with success in war
37: 433 *sq.*

ceremony in honor of 37: 501.

characterization of 37: 440.

episode connected with 37: 431.

feast to 37: 519.

Night Spirits—Continued

offering to 37: 429, 430, 449, 455,
501.

rite of those crazed by 37: 519.

society of those blessed by 37: 317.

Nightingale, Robert C., collection
presented by 28: 20.

Nigrita Schomburgkii 38: § 247.

Nihoalaki 33: 301, 303, 622, 640, 657.

Ni'ka Wakondagi, kinship group,
Osage 27: 58, 60 *sq.*

Ni'-ka Wa-koⁿ-da-gi Gens

mention of 39: 205.

mythological story concerning 39:
206.

office of 39: 99, 100, 101, 206;
43: 93.

symbol of 39: 50.

wi'-gi-e of 36: 133 *sq.*; 39: 51 *sq.*

See also Men of Mystery.

Ni'-ka Xo-be, holy men 39: 102.

Ni'kagahi Sha'be, account of 27:
202 *sqq.*, 205, 206, 208.

Ni'kagahi U'zhu, account of 27:
208, 498 *sqq.*

Ni'kagahi Xu'de, account of 27: 202
sqq., 206, 210.

Ni'kapashna Gens, Ponca

account of 27: 44.

funeral custom of 27: 358.

personal names of 27: 54.

references to 27: 41, 42, 48.

See also names of subgentes.

Nikari-karu Indians, of *Guiana*,
mnemonic device of 10: 226.

Ni'-ka-wa-zhiⁿ-Toⁿ-ga

a living warrior 39: 177.

military honor of 39: 178.

Ni'-ki

degree of the Puma gens 36: 153.

ritual of Ćiⁿ-dse-a-gthe gens, para-
phrase of 36: 272 *sqq.*

Ni'ki Noⁿ-k'oⁿ

a tribal rite 36: 47.

rite, the "seventh degree" 39: 37.

Ni'kie, explanation of the term 27:
136, 607.

Ni'kie Decorations, description of
11: 407.

Ni'kie Names

among the Iowa and Oto 11: 439.

meaning of 3: 227.

taking of 27: 117, 121, 144 *sq.*

taking of, Ponca 27: 140.

- Ni'kie Rites**
 distribution of 27: 137.
 distribution of, Ponca 27: 140.
- Nikwāsi'**, myths concerning 19: 330, 336 sq., 396, 477.
- Nilak** 46: 199.
- Niles Ferry, Tenn.**, collection of relics from 3: 462.
- Nilsson, S.**
 on flint chipping 13: 140.
 on harpoon flakes 13: 171.
 on stone sinkers in Greenland 13: 97.
 on "Victory Stones" 13: 115.
- Niman**
 abbreviated katchina dance closed by the 21: 56.
 description of 21: 22, 57.
 duration of 21: 20.
 fraternities taking part in 21: 23.
 in different pueblos, difference in 21: 57.
 purpose of 21: 16.
- Niman Katchina**
 appearance of Tuñwup on altar of 21: 70.
 description of 15: 292.
 of the Hopi 17: 593.
 time for celebrating 15: 259.
- Nimkish River**, cinquefoil roots at 35: 190.
- Nimkish Tribe**
 preservation of dog-salmon by 35: 223.
 salmon-catching by the 35: 231.
 shuttlecock game of the 24: 719.
- Nine Day's Ceremonies** of the Hopi 15: 260.
- Nine Lords of the Night** in Borgian Codex 16: 223.
- Nine Men's Morris**, game borrowed by the Indians 24: 32.
- Nini'baton Subdivisions**
 I^ake' çabe gens 27: 147-151, 252, 257, 397.
 I^ashta'çu^ada gens 27: 185 sq., 187-190.
 Kon'çe gens 27: 169, 170 sq.
 Mon^a'thi^akagaxe gens 27: 174 sq.
 origin of 27: 201 sq.
 reference to 27: 207.
 Tapa' gens 27: 178, 182 sq.
 Teçin^a'de gens 27: 175, 176 sq.
See also Non^axthe'bitube.
- Ninigret**, a Nehantic sachem 43: 217.
- Niobrara Reserve**
 changes in 18: 846, 868.
 establishment of 18: 838.
- Niobrara River**, references to 27: 41, 49, 51, 85, 89, 93.
- Niôpet**
 a Menomini chief 14: 44.
 genealogy of 14: 48.
 importance of family of 14: 43.
 member of Menomini court 14: 35.
 portrait of 14: 49.
- Niopo.** *See* Piptadenia
- Nipe Bay**, objects from 34: 251, 254, 255.
- Nipigon Bay, Ontario**, pictograph on 10: 42 sq.
- Nipissing**
 games of the 24:
 dice games 81.
 hidden ball 344.
 racket 570.
 ring and pin 540.
 regarded as sorcerers 14: 62, 138.
- Nipmuck**, absorbed by the Mohegan 43: 201.
- Niqotlizi**, ceremonies at 6: xxxix, xl.
- Ni'ris-hāri's-ki'riki**, a Caddo synonym 14: 1092.
- Nirmuck** land cessions and reservations 18: 794.
- Nirr**, Wapishana name for cassava squeezer 38: § 345.
- Nishinam**
 claim symbols 4: 159.
 cremation among the 1: 144.
 games of the 24:
 dice games 154 sq.
 double ball 661.
 football 698, 703.
 hand game 298.
 hoop and pole 489.
 racket 608 sq.
 tossed ball 710.
 number games of 19: 871.
- Niska**
 games of the 24:
 hand game 281.
 hoop and pole 421, 471.
 shinny 628.
 stick games 240.
 tops 733, 736.
 tossed ball 709.

- Niskwali** land cessions and reservations 18: 798, 818, 864.
- Nislik'üntû.** *See* **Moon-head.**
- Nisqually**
 basketry of the 41: 136, 137, 144, 182.
 games of the 24:
 dice games 156.
 hand games 299.
 stick games 250.
 in treaty of 1854 14: 751.
 language distinct from Chimakum 7: 62.
 membership in Shaker church 14: 759.
 myths of the 19: 472.
 population of the 7: 105.
 Shaker religion among the 14: 747.
See also **Niskwali.**
- Nisqually Reserve**
 change in 18: 818.
 establishment of 18: 798.
- Nitchihi.** *See* **Ni-cí-he-nen-a.**
- Nitze, H. B. C.**
 on discovery of gold in Cherokee country 19: 119.
 on Georgia gold lottery 19: 117.
 on southern gold fields 19: 221.
- Ni-u'-t'a-tei.** *See* **Missouri.**
- Niza, Fray Marcos de**
 career of, in Peru 14: 354.
 Cibola visited by 13: 326, 342.
 description of bison by 14: 543.
 effect of report of, in New Spain 14: 365.
 experience of, after Estevan's death 14: 360.
 exploration and observations by 17: 51 *sq.*
 mistakes of, concerning Cibola 14: 573.
 on Cibola 19: 650.
 on Indian pueblos 14: 520.
 on Totenteac fabrics 17: 629.
 reference by, to Acoma 47: 23.
 reference to 28: 53, 54.
 reports of, investigated by Diaz 14: 384.
 return of, to Mexico 14: 389, 484.
 satisfies doubts raised by Diaz 14: 384.
 selection of, as Provincial of Franciscans 14: 364, 476.
 sermon by 14: 482.
- Niza, Fray Marcos de—Continued**
 travels of 14: 474.
 visit of, to Cibola 14: 353.
 visit of, to sea coast from San Pedro valley 14: 359.
 visit of, to valley containing gold 14: 362.
- Niza day symbol, discussion of** 16: 237.
- No Anger Subgens**
 mention of 36: 128 *sqq.*
 peace pipe a symbol of 36: 128.
- No Flesh, flight of, to Bad Lands** 14: 884.
- No Heart, Minikooju gentes given by** 15: 220.
- No Horses, a Pend d'Oreille chief** 45: 377.
- No Moccasins.** *See* **Dóhéñte.**
- No Water's Camp**
 game wheel at 14: 1075.
 Ghost dance at 14: 823, 846, 915.
- Noah's-ark, place of, in Seri dietary** 17: 195*.
- No-arra, a special kind of cassava cake** 38: § 585.
- Noatak River Eskimo**
 clothing of 18: 33, 34.
 mention of 46: 205, 224, 226, 229, 230, 361.
 physical characteristics of 18: 28.
 tattooing by the 18: 50.
- Nochistlan, death of Alvarado at** 14: 410.
- Nock, Arrow** 38: § 133.
- Nokay Delklinne.** *See* **Nakai-Dok-li'ni.**
- Nodding Onion, use of** 45: 481.
- Nodes**
 decoration by 20:
 Appalachee-Ohio pottery 182.
 Eastern United States pottery 66.
 Florida Peninsula pottery 118, 126.
 Iroquoian pottery 107.
 Middle Atlantic Coast pottery 153.
 Middle Mississippi Valley pottery 86, 88, 89.
 New Jersey-New England pottery 177.
 Northwestern pottery 189, 193, 201.

Nodes—Continued

decoration by 20—continued

Ohio Valley pottery 185.

South Appalachian pottery 137, 139.

Nōdte', the mystic word 40: 38, 181, 503.

Nodules, Stone 34: 184 *sqq.*

Noe Springs Mounds

description of 37: 100 *sq.*

location of 37: 99.

number of 37: 100.

Noel Indian Cemetery, Tenn.

bowl found in 41: 534 *sq.*

clay figurine from 20: 41.

owl images from 41: 541 *sq.*

pottery from 41: 594.

Noemanoema land cessions and reservations 18: 784.

Nogales, reference to 28: 56.

Noh day symbol, discussion of 16: 254.

Nohe, Warrau wooden bench 38: § 328.

Nohi-abassi, legend of 30: 263 *sq.*

Nohilpi, gambling god of the Navaho 24: 95, 623 *sq.*

Noimenoime land cessions and reservations 18: 784.

Noise, punishment for making 30: 184.

Noje

mention of 7: 135.

See also **Nozi**.

Nokfahālgī

a Creek clan 42: 116, 119.

affiliations of 42: 121.

Nokfla

legendary destruction of 42: 61.

name for white people 42: 61.

Nokflalgi

application of the name 42: 121.

name for white people 42: 68, 121.

Nokomis in Menomini myth 14: 87, 114, 126.

No'koni; Nokoni

a Comanche band 14: 1044.

surrender of, in 1874 17: 204.

Nokosi, Judge —

mention of 42: 491.

myth related by 42: 65.

Nokosiāmā, information obtained from 42: 655.

Nokotlik 46: 208.

Nolan, Captain —, on Kiowa buffalo hunt 17: 344.

Nōlem Dance 35: 834.

Nome

beaches 46: 81.

Eskimo 46: 228.

remains near 46: 89.

remnants of Eskimo in 46: 89.

visits of Asiatics to 46: 97.

See also **Cape Nome**.

Nome Cult

land cessions and reservations 18: 794.

See also **Round Valley Reserve**.

Nomenclature

mention of 1: 211, 220.

of linguistic families, paper on 7: 1-142.

of Navaho house building 17: 491, 514-517.

of Serian stock 17: 9, 123*-130*.

of Seriland 17: 15-20.

of Sikyatki 17: 636.

of Siouan tribes 15: 166.

of stone objects 13: 57, 62.

of the Awatobi 17: 594.

of the Eskimo of Northern Alaska 9: 42 *sq.*, 46 *sqq.*

of Tusayan 8: 220-223.

peculiarities of Indian 8: xxix.

social and family, Guiana Indian 38: § 887-880.

See also **Mound Nomenclature**.

Nominal Forms, Arapaho 28: 235.

Non-ideographic Elements of decoration 4: 453.

Non-Pueblo Indian, Tewa name for 29: 575.

Non-Tewa Indian, Tewa name for 29: 575.

Nonabokuanna, old time Arawak shield 38: § 116.

Nonconnah Creek, description of 42: 817 *sq.*

Nondacao. *See* **Anadarko**.

None. *See* **Nothing**.

Non'-hon'-zhin'-ga

approach of, to place of ceremony 39: 100.

belief of 39: 42.

ceremonies performed by 39: 175, 316, 322.

designated Holy Men 39: 102.

Non'-hon-zhin-ga—Continued

duties of women emphasized by 39: 283.

food for entertaining 39: 44, 46, 61.

invitation to 39: 52.

organization of the 36: 48.

painting and dressing of 39: 243.

reverence due to 39: 97.

rites formulated by 39: 83, 91.

smoking ceremony performed by 39: 53, 58, 61.

wi'-gi-e taught by 39: 46.

See also **Little Old Men**.

Nonlem Ceremonial Dance 35: 1034-1037.

Nonsuch, Mercy, mention of 43: 209

Nonxthe'bitube, subdivision of the Nini' bato subgens 27: 148, 149, 151 *sq.*, 254.

Non'zhin-zhon Rite

account of 27: 128-133.

description of 39: 41 *sq.*

importance of 39: 38.

Nook 46: 90, 196.

Nookchoo land cessions and reservations 18: 782, 822.

Nookwachahmish. *See* **Dwamish**.

Noorvik 46: 204.

Nooses, Eskimo use of, in capturing animals 18: 119, 122, 124, 131.

Nootka

games of the 24:

dice game 198.

hand game 322.

hidden ball 370.

hoop and pole 523.

tops 749.

legend of the 10: 44.

method of felling trees 13: 72.

method of drilling wood 13: 165.

or Aht Indians, in Vancouver Island, British Columbia 10: 44.

tattooing of the 10: 407.

Nootka-Columbian Family of Scouler 7: 129, 130.

Nootsak Indians, coiled basketry made by 41: 133.

Noowhaha. *See* **Dwamish**.

Noquet, habitat of the 14: 36.

Norcok, acknowledgment to 14: 655.

Nordenskiöld, Adolph Eric

cited 46: 332, 333, 353, 371.

on character of Eskimo children 9: 418.

Nordenskiöld, Adolph Eric—Contd.

on clothing of Eskimo 9: 110, 122.

on Eskimo amulets 9: 441.

on Eskimo bolas 9: 246.

on Eskimo burials 9: 426.

on Eskimo dog harness 9: 359, 360.

on Eskimo drawings 9: 410.

on Eskimo drums 9: 385.

on Eskimo fishing 9: 283, 285, 286.

on Eskimo government 9: 430.

on Eskimo harpoons 9: 220.

on Eskimo ice-picks 9: 304.

on Eskimo ice-scoop 9: 309.

on Eskimo kaiaks 9: 333.

on Eskimo labrets 9: 148.

on Eskimo masks 9: 370.

on Eskimo seal catching 9: 270.

on Eskimo seal rattle 9: 254.

on Eskimo skin-scrapers 9: 298.

on Eskimo sledge-shoes 9: 353.

on Eskimo superstitions 9: 434.

on fire-making by Eskimo 9: 289.

on indoor habits of Eskimo 9: 420, 421.

work of, consulted 9: 24.

Nordenskiöld, Erland, cited 30: 328.

Nordenskiöld, Baron G.

archeological work of 41: 29.

bone implements found by, in cliff houses at Mesa Verde, reference to 22, i: 95.

cited 33: 164, 166, 167, 170, 172, 174, 176.

cliff ruins classified by 16: 92.

cliff ruins described by 16: 81.

features of Mesa Verde ruins described and figured by 22, i: 105, 124.

on affinity of cliff dwellings and pueblos 17: 532.

on an oval kiva 16: 177.

on chimney-like structures 16: 188, 189.

on evolution of pottery design 17: 716, 727.

on kiva decorations 16: 181.

on Mesa Verde masonry 16: 163.

on Mesa Verde villages 17: 555, 563, 578.

on origin of round kivas 17: 575.

on openings in Mancos ruins 16: 165.

- Nordenskiöld, Baron G.**—Continued
 on platforms in Mesa Verde kivas 17: 541.
 prayer-stick found by 17: 736.
 work of, cited 15: LIII.
- Norfolk Ware**, resemblance of, to that of New York Bay 20: 176.
- Noriega, Andrés**
 aid rendered by 17: XLII, 14.
 on Seri archery posture 17: 201*.
 on Seri charm trophies 17: 260*.
 on Seri fishing devices 17: 193* sq.
 on Seri neglect of dead 17: 287*.
- Norman, —**, acknowledgment to 25: 274.
- Norman, Arthur L.**, collection presented by 37: 30.
- Normocs**, tattooing of the 10: 407.
- Norridgewock Indians**
 expedition sent against 43: 172.
 forms of the name, with meanings 43: 170.
 games of the 24:
 dice games 81 sq.
 snow-snake 406.
 stick games 231.
 tops 735.
 mention of 43: 170.
 mission among the 43: 172.
 political independence of 43: 175.
 sale of land by 18: 609.
- Norris, Hugh**
 aid rendered by 17: 14.
 work of, as Papago interpreter 22, i: XII.
- Norris, Col. P. W.**
 appointment of, as assistant 12: 19.
 death of 6: xxvi; 12: 19.
 field work of 6: xxvi.
 investigations of 5: xx, xxi, 17, 18, 26, 27, 32, 35, 39, 40, 52, 55.
 mounds examined by 12: 83, 253, 587.
 on effects of earthquake on mounds 12: 200.
 on elephant mound 12: 91.
 on evidence of skeleton burial 12: 673.
 on evidence of use of fire by mound-builders in burial ceremonies 12: 678.
 on inclosure at Charleston, West Virginia 12: 415.
- Norris, Col. P. W.**—Continued
 on lodge burial 1: 153.
 on pictographs 4: 22, 23, 33, 34, 173.
 on remains of mound-builders' houses 12: 664.
 petroglyphs reported by 10: 87, 125.
 pictographs obtained by 10: 459.
 pottery collected by 20: 201.
 visits pipestone region of Minnesota 12: 42, 44.
 with reference to vessels found 12: 232.
- Norse rain myth** 1: 25.
- North**
 myth of the 19: 322.
 pottery of 20:
 area covered by 145, 147 sq.
 character of 20, 22 sq., 145, 187.
 geographic grouping of 147.
 origin of 68.
 symbolism of the 22, ii: 42.
- North America**
 petroglyphs in 10: 37-140.
 tattooing in 10: 392-407.
 three-pointed stones lacking in 25: 111.
- North American Indians**, pictographs of the 4: 3-256.
- North Blackwater**, Pima village 26: 23.
- North Caicos**, number of specimens from 34: 50.
- North Canadian River**, mention of 42: 491.
- North Cape**, visit of E. W. Nelson to 18: 21.
- North Carolina**
 aboriginal quarry in 15: 106.
 appointment of Cherokee agent by 19: 61.
 archeologic work in 15: 19.
 association of South Appalachian with exotic pottery in 20: 137.
 banner stones from 13: 122, 123.
 boat-shaped stones from 13: 124, 125.
 Buncombe County, mounds in 12: 348, 350.
 bunts from 13: 169.
 Burke County, antiquities of 12: 344.

North Carolina—Continued

- Caldwell County 12:
 Lenoir burial pit 343.
 mounds in 333-344.
 Patterson grading 333.
 celts from 13: 74, 75, 76, 77, 78,
 80, 82, 86.
 character of pottery of 20: 144,
 147.
 Cherokee relations with 19: 32,
 36.
 chipped flints from 13: 144, 145,
 146, 147, 148, 149, 150.
 chisels from 13: 83, 84.
 clubs from 13: 144.
 coastward extension of South Ap-
 palachian pottery in 20: 139.
 coiled pottery in 4: 277.
 cones from 13: 114.
 discoidal stones from 13: 102, 104,
 105, 106, 107, 108.
 distribution of stone art in 13: 62.
 expedition from, in 1776. 19: 49.
 explorations in 11: xxvi, xxvii;
 12: 333-350.
 fabric-impressed pottery from 13:
 38, 45.
 field work in 22, i: ix, xii.
 flakes from 13: 174.
 former residence of Tuscaroras in
 20: 142.
 Fort Defiance, remains near 12:
 342.
 gorgets from 13: 118, 119, 120.
 gouges from 13: 82.
 grooved axes from 13: 65, 66, 68,
 69.
 Haywood County, mounds in 13:
 346.
 Henderson County, mounds in 13:
 348, 349.
 Indian policy of 18: 624-630.
 Jackson County, collections from
 3: 434-437.
 land grant to "State of Franklin"
 by 19: 64.
 linguistic work in 10: xv sq.
 local legends of 19: 404-411.
 modern pottery making in 20:
 53, 56, 142.
 mortars from, description of 13:
 97.
 mound explorations in 5: xxii.
 mounds in 5: 10, 61-75.

North Carolina—Continued

- notched ax-form objects from 13:
 71.
 occurrence of Middle Atlantic Coast
 pottery in 20: 147 sq.
 occurrence of pottery resembling that
 of East Tennessee in 20: 182.
 occurrence of stamped ware in 20:
 122, 135.
 opposition to allotment project by
 19: 114.
 paint stones from 13: 115.
 perforated pottery from 13: 98.
 perforated stones from 13: 98.
 permission to remain given to East
 Cherokee by 19: 168.
 pestles from 13: 89, 90.
 petroglyphs in 10: 99 sqq.
 pick from, description of 13: 125.
 pipes from 13: 129, 130, 131, 132.
 plummet from 13: 112.
 pottery of 20: 70, 72 sq., 144, 148 sq.
 present Indian occupation of 20:
 143.
 production of gold in 19: 221.
 protests against Hopewell treaty by
 5: 155; 19: 61.
 refusal of Cherokee to cede lands in
 5: 260.
 removal forts in 19: 221.
 resemblance of Delaware pottery to
 that of 20: 177.
 resemblance of Potomac-Chesapeake
 pottery to that of 20: 152.
 spuds from 13: 110.
 steatite potsherd plummets from
 13: 111.
 stemless perforators from 13: 165,
 166.
 stemmed flints from 13: 151, 152,
 153, 154, 155, 156, 157, 158, 159,
 160, 162, 163.
 stemmed perforators from 13: 167,
 168.
 stemmed scrapers from 13: 169.
 stone axes in 13: 64.
 stones from, probably used as
 sinkers 13: 98.
 treaty with Cherokee, Creeks and
 Chickasaw by 19: 63.
 tubes from 13: 128.
 use of steatite as tempering in ves-
 sels from 20: 47 sq.
 war idol from 13: 116.

North Carolina—Continued

- Waynesville, mounds near 12: 347.
 Wilkes County, antiquities of 12: 344, 345.
 work in 8: *xxi sq.*

North Carolina Indians

- chungke game played by 13: 99.
 partial cremation of 1: 150, 151.
 war color of 10: 632.

North Dakota

- former habitat of the Omaha 27: 72.
 mention of 11: *xxv.*
 military posts, etc., in 17: 386.
 mound and hut-rings in 12: 37, 41.
 peculiar burial mounds in 12: 538.
 pottery from 20: 198.

North Devon Island, crania of 46: 292.**North Fork, Upper towns on 42: 333.****North Greenlanders, mention of 6: 460.****North Mounds, location of 37: 99.****North Star**

- Indian name for 42: 478.
 treatment of, in Hako ceremony 22, ii: 29.

North Wind

- characterization of 37: 441.
 Iroquois myth of 2: 59.
 offering to 37: 429, 463, 503.
 powers of the Iroquois god 2: 52.

Northeast, character of tobacco pipe of the 20: 98.**Northeastern America, geography of 6: 414-418.****Northern Arapaho, linguistic investigation among the 28: 225.****Northern Blackfoot**

- Indians, compared with Piegan and Bloods 28: 229.
 language 28:
 consonantic clusters in 230 *sq.*
 texts in 225.

Northern Cheyenne, linguistic investigation among the 28: 235.**Northern Pacific Railroad, cession of right of way for 18: 904, 908.****Northern Saulteaux, culture hero of the 40: 375.****Northoscordum Bivalve, medicinal use of 42: 668.****Northwest**

- area covered by pottery of 20: 21, 187.
 modern pottery making by Indians of 20: 158.
 occurrence of decoration characteristic of, in New Jersey-New England area 20: 176.
 pottery of 20: 186-201.
 relation of pottery of, to eastern pottery 20: 146 *sq.*, 179.
 relation of Hopewell mounds pottery to that of 20: 195.
 resemblance of Canadian pottery to that of 20: 171.
 resemblance of New York pottery to that of 20: 167.
 resemblance of Piedmont-Virginia pottery to that of 20: 149 *sq.*
 use of roulette in 20: 79, 189 *sq.*

Northwest Coast

- cultural affinities of, with Bering Sea and Asia 46: 175.
 masks from 3: 106-120.
 mummies from 1: 135.

Northwest Coast Tribes

- games of the 24:
 bean shooter 760.
 shuttlecock 717.
 stick games 227.
 tops 733.
 illustration of ornamentation by 6: 213, 218, 227, 230.
 mourning customs of 1: 179.
 research among the 25: *xvi sq.*
 symbolic decoration of the 25: *xii.*

Northwest Fur Company, dependence of, on wild rice 19: 1103.**Northwestern Innuin, population of 7: 75.****Norton, J. V., contribution of Peruvian labret by 3: 84.****Norton Bay**

- Eskimo legend from 18: 514 *sq.*
 implements and utensils from 18: 65, 110, 148, 149, 164, 168, 170, 180.
 mention of 46: 195, 196.
 toys from 18: 347.
 transportation apparatus from 18: 212.
 visit of E. W. Nelson to 18: 20.

Norton Sound

- burials of 46: 90.

Norton Sound—Continued

- ceremonial objects from 18: 413.
 - clothing from 18: 36, 39.
 - condition observed by Nelson on 18: 298.
 - crania from 46: 150, 233, 256.
 - Eskimo of 46: 213, 215, 217, 218, 255.
 - implements and utensils from 18: 66, 74, 76, 82-86, 89 *sq.*, 92, 100, 101, 103, 104, 110, 113, 115, 124 *sq.*, 127, 128, 130, 133, 136, 137, 139, 144, 146, 147, 151, 155, 160, 162, 167, 168, 170, 171, 176, 178, 181, 192, 193, 195.
 - legends from 18: 462-474, 480.
 - manufactures from 18: 199, 203, 205.
 - maps of 46: 176.
 - mask from 3: 132-135.
 - old sites of 46: 195, 198.
 - ornaments from 18: 62.
 - stone homes of 46: 172.
 - surgical instrument from 18: 310.
 - tobacco implements from 18: 273, 283, 284.
 - transportation apparatus from 18: 217, 219, 222, 223.
- Norvell, Mrs. Lipscomb**, acknowledgment to 42: 830.
- Norwich**, old name for 43: 231, 254.
- Nose**
- breadth of 46: 364.
 - deformations, ornaments 38: § 505.
 - Eskimo 46: 358, 359, 364.
 - in skull 46: 264, 267, 270.
 - of death's-head vases 20: 97, 98.
 - ornaments 35: 778; 42: 685.
 - piercing, by the Caddo 14: 1092.
 - piercing, by the Tsimshian 31: 53.
 - piercing, in the northwest 46: 83.
 - Serian and Yuman names for 17: 324*-327*.
 - stinging, ordeal of 30: 278, 280.
 - vs.* development of face 46: 267.
 - Western Eskimo, notes on 46: 213-228, 242, 243, 249, 252.
 - Yukon Eskimo 46: 161, 162, 163.
 - Yukon Indians 46: 152, 154, 155, 157, 161.

Nose-blown Flutes 38: § 560.**Nose Pins**, use of 45: 82, 236, 340.**Nose String.** *See* Bina.

95719°—33—47

Nosebleed

- as an indication of crime 40: 243.
- cure for 30: 43; 42: 668.

No-séno, evil due to 30: 349.**Nostrils**

- of manati plugged 38: § 169.
- See also* Nose.

Notation and Augmentation 19: 839-843.**Notawasepe**

- cession of reserve at 18: 750.
- reservation at 18: 704, 740.

Notaway

- joined by the Tutelo 7: 114.
- tribe, mention of 7: 79.

Notawkah's Band

- cession of reserve by 18: 760.
- reservation for 18: 740.

Notched Logs used as ladders 8: 157 *sq.***Notched Sticks**

- mention of 10: 227 *sq.*
- use of, as mnemonic aids 4: 81.
- Zuñi method of performing with 23: 465.

Notched Tail. *See* Tón-ak'á.**Notches**

- decoration by 20:
 - Apalachee-Ohio pottery 181.
 - Florida Peninsula pottery 118.
 - Iroquoian pottery 163.

Note, Misinterpreted, story about 43: 393 *sqq.***Notes**

- on certain Maya and Mexican manuscripts 3: 1-65.
- original 46: 31.

Nothing; None, signs for 1: 322, 355, 356, 443.**Notice of Initiation Ceremony** 39: 52 *sq.***Notices**

- by pictography 4: 147-155.
- pictographic forms of 10: 329-357.

Notonoto land cessions and reservations 18: 782, 822.**Nottaway**, land cession to the 14: 25, 26.**Nottawesipa.** *See* Notawasepe.**Nottely**

- myth concerning 19: 332.
- psuedo-myth concerning 19: 416.

- Nottoway**, habitat and migrations of the 19: 17.
- Nought** in Mayan face numerals, symbol for, discussion of 22, i: 210 sq., 211 sq., 214.
- Noukek Indians**, identification of 14: 15.
- Nouns**
 in Algonquian languages 28:
 inanimate plural, Cheyenne, Piegan 274.
 nominative singular endings 272.
 in Indian languages 1: 11.
- Nourague Indians**, belief as to God among 30: 117.
- Nouri, J. J.**, aid rendered by 15: LXI, LXXXIV.
- Nourse**, —, cited 6: 452.
- Nova Scotia**
 abundance of pottery in 20: 179.
 extension of Iroquois influence to 20: 158.
 field work in 21: ix.
 petroglyphs in 10: 37-42.
 work on pictographs in 10: xii.
- Novaculite**
 formation of 44: 507.
 quarries in Arkansas 14: xxxv.
- Novel**, development of 19: LXXXVI.
- November**, Hopi ceremonies celebrated in 21: 21.
- Novice**
 brought back by wolves 35: 744, 745.
 capture of 35: 738, 747, 953, 957, 966, 996, 1137.
 course of initiation of a 23: 426, 427.
 disappearance of 35: 899.
 house of 35: 1149.
 plume worn by 23: 426.
 stays away for four months 35: 850.
 tamed 35: 874.
- Novices**
 administering of medicine water to 23: 457.
 appearance of, in plaza 23: 470.
 brought back 35: 928.
 ceremony with gifts for 23: 471 sq.
 ceremony with swords over 23: 472.
 masks presented to 23: 103, 104.
 striking of Sa'ya^hlia by 23: 204.
- Novices**—Continued
 threatened by the Ko'mosona 23: 104.
- Novice's Moon**. See **Kelemüry-awû**.
- Novitna; Vovi River** 46: 127, 154.
- Now**, signs for 1: 366.
- Nowland, J. H. B.**, on hidden ball 24: 344.
- Noyes, W. M.**, ethnologic specimens collected by 18: 182.
- Nozi Tribe**, mention of 7: 135.
- Nozzles**
 for Eskimo hunting floats 18: 140 sqq.
 for Eskimo water bags 18: 74.
- N'pochle**, a Sanpoil synonym 14: 733.
- N'Quentlamamish**. See **Dwamish**.
- Ntlakyapamuk**. See **Thompson Indians**.
- Nubviukhchugaluk**
 description of 18: 252.
 implements from 18: 106, 109, 110, 113, 140, 149, 159, 171, 173, 191.
 people of 18: 26.
 tobacco implements from 18: 275, 283.
- Nüçaki**, Spanish mission house at old Walpi 19: 580.
- Nucekaa'yî**, *Tlingit* clan
 history of 26: 412 sqq.
 phratry and tribe of 26: 400.
- Nuda^aaxa**, acknowledgment to 11: 362.
- Nudity**
 attitude toward 46: 560.
 explanation of 30: 303.
 shame of 30: 381.
- Nu'do^honga**, head of lodge, Shell society 27: 516.
- Nuga'xti**, significance of the name 27: 144.
- Nuge'teune**. See **Buffalo Hunt, Annual**.
- Nugumiut Eskimo Tribe**, situation of 6: 424.
- Nuhinë'na**, an Arapaho warrior order 14: 987.
- Nuklit** 46: 199.
- Nuklukaiet** 46: 53, 81, 136, 139.
- Nulato**
 graveyard of 46: 54.
 Indians of 46: 130.

Nulato—Continued

- massacre at 46: 128.
- old site of 46: 133.
- population of 46: 131, 132.
- reached by Russians 46: 127.
- Russian post burned 46: 127.
- skull 46: 151.
- Western Union Telegraph Co. post 46: 128.

Nulukhtulogumut

- implements and utensils from 18: 71, 105, 107, 143, 151, 165, 192.
- ornaments from 18: 55, 56.
- painting of mythical animal from 18: 449.
- tobacco implements from 18: 274.
- toys from 18: 346.

Nüma

- a synonym of Comanche 14: 1043.
- a synonym of Paiute 14: 1048.

Numayms

- ancestor of 35: 784.
- assembly of 35: 891, 898, 981, 1003, 1037, 1046, 1083, 1360.
- dish for 35: 59.
- establishment of new 35: 1095, 1103.
- fishtraps as property of 35: 1347.
- house dishes of 35: 805, 820.
- hunting grounds as property of 35: 1345 *sqq.*
- list of 35: 825-835.
- mention of 35: 221, 390, 397, 399, 400, 426, 427, 459, 472, 483, 490, 492, 493, 513, 528, 556, 565, 566, 575, 582, 592, 600, 611, 680, 683, 699, 718, 742, 753, 755, 756, 757, 759, 760, 766, 768, 769, 770, 771, 772, 778, 781, 784, 788, 789.
- names of canoes of 35: 795-801.
- names of chiefs of 35: 795-801.
- names of dogs of 35: 795-801.
- names of house of 35: 795-801.
- painting of homes of 35: 805-820.
- place of origin of 35: 795-801.
- quarrel between 35: 1121.
- rank of 35: 1046.
- relations between 35: 1107.
- rivers as property of 35: 1347.

Number

- discussion of 19: LV *sqq.*
- of relics studied, importance of, in ethnic determinations 20: 19.

Number—Continued

- sacred, in Ghost dance 14: 782, 919, 1000.
- sacred, in Shaker religion 14: 751.
- tables of Mayan chronological system 22, i: 304 *sq.*

Number, Ceremonial

- eight days, interval of 35: 670.
- sixteen days, interval of 35: 738.
- ten years, period of 35: 741.

See also Four; Eight; Sixteen; Ten.

Number-Concept, germs of 19: 843-847.**Numbers**

- ceremonial 47: 132, 284.
 - development of language of 20: CLXIX.
 - in Mexican codices 19: 934-948.
 - integral, primitive symbols of, extra-natural potencies 19: 842 *sq.*
 - multiples used in rituals 27: 242.
 - mystic 11: 513.
 - mystic, of the Eskimo 18: 427.
 - mythic and ceremonial use of 19: 948-955.
 - of the Guiana Indians 38: § 939, 940.
 - place of, in growth of knowledge 19: 825-828.
 - primary 19: 859-882.
 - primitive 19: 821-851.
 - primitive, law of augmentation in 19: 839-842.
 - primitive, memoir on 19: XLIII *sq.*
 - sacred 15: CXVII; 19: 431.
 - sacred, of Tusayan 15: 261.
 - seven 27: 207, 242, 277, 512, 513, 515, 516, 518.
 - symbolism, four 27: 121, 129, 131, 171, 218, 231, 242, 253, 255, 258, 259, 277, 278, 287, 309 *sq.*, 380, 381, 400, 420, 489, 497, 499, 509, 510, 511, 513, 514, 515, 516, 518, 520, 521, 522, 523, 526, 562, 563, 565.
 - systems and counting, primitive 19: 833-843.
 - three 27: 221, 242.
- See also Number; etc.; Numeral System; Numerals; Numeration.*

Numeral Systems

- in the codices 19: 812-819.

Numeral Systems—Continued

of Mexico and Central America 19:

XLIV sq., 853-955.

Numerals

importance of, in linguistic classification 17: 300* sq.

Serian and Yuman, comparative tests and analyses of 17: 303*-321*.

Unalit, tables of 18: 238-241.

uses of, among the Eskimo 11: 256.

Numeration

Eskimo 18: 235-241.

mention of 10: 258 sq.; 19: 833-839.

Unalit terms used in 18: 235, 241.

Númi. *See* Nambé.**Nümi'naä'**, a Paiute god 14: 1051.**Nünah'awũ**, an Arapaho warrior order 14: 989.**Nunamekrok** 46: 199.**Nunamiut** 46: 186.**Nunatagmiut** 46: 229.**Nunatañmium**, intercourse of, with the Point Barrow Eskimo 9: 44 sq., 48.**Nunava** 46: 208.**Núñez, Pedro**, on effect of Marcos' report 14: 366.**Núñez de la Vega, Bishop** —

on Central American deity 16: 221.

on the *chinax* symbol 16: 258.**Nunivagmiut**, range of 18: 26.**Nunivak Island**

burials in 46: 183.

carvings of mythic animals from 18: 448.

Eskimo of 46: 238, 251, 252, 254.

implements and utensils from 18: 73, 75, 83 sqq., 87, 88, 102, 105, 108, 110, 111, 115, 134, 137, 141, 143, 146 sqq., 151, 152, 155, 156, 158, 160 sqq., 178, 182, 190-195.

language of people of 18: 25.

manufactures from 18: 199, 201.

mention of 46: 117, 121, 164, 170.

ornaments from 18: 46, 47, 54, 58, 60, 61.

people of 18: 26.

skeletal parts from 46: 314-317.

skulls of children from 46: 295, 297,

Nunivak Island—Continued

tattooing by people of 18: 50.

tobacco implements from 18: 274, 277, 278.

totemic carvings from 18: 323 sq.

traditional descent of people of 18: 446.

transportation apparatus from 18: 211, 219, 220, 224, 227.

Nunivak Island Crania

basiofacial diameters 46: 279-282.

dental arch 46: 276.

facial 46: 266.

facial angles 46: 285.

means 46: 286.

mention of 46: 256, 257, 259, 262, 263.

nose 46: 268, 270.

orbits 46: 271-274.

Nunn, Roscoe, acknowledgment to 42: 745.**Nûññě'hĩ**

myths concerning 19: 330-333, 335 sqq., 348, 417 sq., 455, 475 sqq.

Wafford's belief in 19: 238.

Nunochok 46: 194.**Nuntaneuck**, a Monakan division 15: 164.**Nûn'yunu'wi**, myths concerning 19: 316 sq., 467 sqq.**Nursery Tales**, Pima 26: 242-247.**Nursing**, Omaha 3: 264.**Nurture**, as an agency of instruction 20: CXCv.**Nusbaum, Jesse L.**

acknowledgment to 29: 38.

photographs and plaster casts made by 33: 11.

Nushagak 46: 190.**Nushagak Bay** 46: 191.

crania 46: 286.

Nushagak River Eskimo 46: 227.**Nûshaki**, etymology of 17: 578, 586.**Nushugak**, etchings from 18: 120.**Nut-shaped Baskets** 41: 164, 202-205.**Nuthatch**, in Cherokee lore 19: 281.**Nutmeg, Wild**

basketry pattern 38: § 444.

cure for "yaws" 38: § 927.

Nutria

a Zuñi summer village 13: 206, 261; 16: 92, 156.

comparison of, with Kintiel 8: 91.

Nutria—Continued

description of 8: 94 sq.
pottery 4: 344.

Nutrition

importance of, in primitive sociology
19: 1089.
of wild rice 19: 1080–1083.

Nuts

food among the Omaha 3: 307.
piñon, preparation and storage of
30: 70.
stones for cracking 13: 91, 92.

Nuttall, —, on popular synonym for
wild rice 19: 1022.

Nuttall, Thomas

on Arkansas Cherokee 19: 136,
137.
on cattle among the Cherokee 19:
213.
on Nancy Ward 19: 204.

Nuttall, Mrs. Zelia

on Mexican calendar system 19:
935.
on turquoise 29: 580.
on use of stone yokes 25: 260.

Nuttallia Nuda 33: 103.

Nüvak

association of, with Yohozro wüqti
21: 84.
derivation of 21: 126.
regarded as a Hano kalcina 21: 83.

Nuvayauma, old Mashongnavi tra-
dition related by 8: 47 sq.

Nuvwatikyuobi Kiva 8: 120.

Nuwuk (Nuwük), *Point Barrow vil-
lage, Alaska*

description of 9: 79.
Eskimo of 46: 228.
location of 9: 26.
population of 9: 43.

Nu'xe Gens

Osage 27: 46 sq.
Ponca 27: 38, 41, 42, 46 sq., 48,
57, 61, 355.
reference to 27: 355.
subgens of Kansa, Osage, Quapaw
27: 38.

Nuyaka

allocation of clans in beds at 42:
201–204.
an Upper Creek White town 42:
124, 254.
arrangement of square ground at
42: 210, 218.

Nuyaka—Continued

clan councils of 42: 124.
clans of, furnishing chiefs and
henihas 42: 192.
clans, phratries and moieties of 42:
158 sq.
customs of 42: 517, 608.
plan of ceremonial ground of 42:
219.
position of beds at 42: 198.

Nyavolt, Pima evil spirit 26: 265.

Nyctaginaceae 33: 78.

Nye County, Nevada, inscribed rock
in 10: 94.

Nykhta

mention of 46: 176.
See also **Wales**.

Nymphaea, medicinal use of 42: 669.

Nymphaea Advena 33: 79; 45:
460.

Nymphaea Americana

medical constituents of 44: 304.
medicinal properties of 44: 301.

Nymphaeaceae 33: 79.

Nyssa, medicinal use of 42: 659.

Nyu'taa, song composed by 14:
1097.

O**Oak**

bark, use of, in firing, by Catawba
potters 20: 54.

bur, use of 44: 292, 369.

Eskimo transportation apparatus of
18: 218.

in Cherokee lore 19: 422.

post, medicinal use of 42: 659.

red, medicinal use of 42: 665.

red, use of 44: 292.

use of 44: 292, 356, 378.

white, medicinal use of 43: 266.

white, use of 44: 340.

See also **Quercus Macrocarpa**;
Quercus Rubra.

Oak Clan, size of 47: 35.

Oak Creek

cavate dwellings on 28: 219.

ruins at mouth of 28: 188–193.

ruins on 17: 533, 550.

Oak Mound Kiva, Tusayan, de-
cadence of membership of 8:
135.

Oak-tree House

excavated and repaired 37: 6, 7.
opened to visitors 41: 28.

- Oakinacken**
 a synonym of Okanagon 14: 734.
 an Okanagon division 14: 734.
- Oakland** 46: 123.
- Oakley Springs, Arizona**
 petroglyphs at 10: 329 sq.
 pictographs at 4: 17, 29, 30, 46 sq., 194.
- Oankoitupah**, a culture hero of the Konkau 24: 296 sq.
- Oarlocks**, Eskimo use of 18: 218.
- Oars**
 Eskimo use of 18: 216.
 for Eskimo umiaks 9: 338 sqq.
- Oaths**
 use of 46: 524.
 use of, in giving testimony 42: 357.
- Oats**
 chemical composition of 19: 1082.
 production of, by Pima 26: 91.
 wild, of Great Plains 14: 528.
- Oaxaca**, *Marqués del Valle de*, title of, given to Cortés 14: 473.
- O'Bail, Solomon**, Seneca informant 32: 52.
- Obando, Francisco de**
 killing of, by Indians 14: 499, 500.
See also Ovando.
- Ober, Frederick A.**
 citing Llenas on aboriginal workshop in Santo Domingo 25: 91 sq.
 on aboriginal Cuban skulls 25: 30.
 on idols, Santo Domingo 25: 201.
 on Santo Domingo dance plaza 25: 81.
 on stone collars 25: 169.
 on tortoise from St. Vincent 25: 196.
 photograph furnished by 17: 115.
- Oberland Mound** 34: 92.
- Obesity** among the Pima 26: 66.
- Obia Men**, influence of 34: 124.
- Obituary** of contributors to Annual Reports 48: 1221.
- Objects** represented in pictographs 4: 46 sq.
- Objects Collected.** *See Specimens.*
- Oblation**
 practice of, in savagery 16: 21.
See also Purification.
- Obongo**
 aquatic burial of 1: 180.
 surface burial of 1: 139, 140.
- Obscenity**
 in Tusayan ceremonies 15: 294.
 of the clowns 47: 521.
- Obscure**, pictograph for 10: 597.
- Observations** on cup-shaped and other lapidarian sculpture 3: xiv.
- Observers**, queries for, regarding burial 1: 202, 203.
- Obsidian**
 blades, collection of, obtained through Nathan Joseph 22, i: xxxix.
 deposits of 29: 179.
 flakes of Aztec and Briton compared 13: 59.
 implement from mound 12: 82.
 implements in Hopewell mounds, origin of 20: 194.
 implements of, Casa Grande 28: 132.
 objects from Sikyatki 17: 732.
 Tewa names for 29: 583 sq.
- Oc** day symbol, discussion of 16: 238, 239.
- Occaneechi**
 as traders 42: 723.
 feasts of 42: 708.
- Occaneechi Path** 42: 775-779.
- Occaneechi Town**
 a strategic point 42: 764.
 description of 42: 775.
 removal of Saponi to 42: 778.
- Occasional Resource**, gesture as an 1: 279.
- Occult Powers**
 possession of 27: 490 sq.
See also Magic.
- Occum, Samson**, mention of 43: 224.
- Occupations**
 affected by advent of traders 27: 614 sq.
 of men 27: 203, 338 sq.
 of the Tsimshian 31: 398.
 seasonal 45: 95 sq., 342 sq.
See also Women; names of occupations.
- Occurrence**
 eastern United States pottery 20: 23 sq., 27, 43.
 eastern United States salt-making vessels 20: 28, 29.
 Florida Peninsula pottery 20: 116, 120, 123, 124.

Occurrence—Continued

- Gulf Coast pottery 20: 104 sq.
- Middle Atlantic Coast pottery 20: 151.
- New Jersey-New England pottery 20: 175.
- Northwestern pottery 20: 187.
- South Appalachian pottery 20: 131.

Ocean

- in Pima mythology 26: 366.
- Tewa knowledge of 29: 52.
- See also Sea.*

Oceanica, petroglyphs in 10: 165-171.**Oceti Sakowin**, a synonym of the Sioux 14: 1057.**Ocetotl** day symbol, discussion of 16: 248.**Och, Joseph**, on Seri decoration 17: 78, 170*.**Och**, meaning of 16: 241.**Ochechotes**

- a synonym of Uchi'chol 14: 738, 740.

See also Yakima.

Ocher

- deposits of 29: 553.
- Florida Peninsula pottery 20: 118.
- for painting twins 35: 673, 674, 681, 685, 687, 692.
- Gulf Coast pottery 20: 111.
- mention of 35: 624, 630, 635, 893.
- Middle Mississippi Valley pottery 20: 84.
- red, given to newborn child 35: 652.
- references to 29: 422, 582.
- used for paint 15: 21.
- used in color decoration, Eastern United States pottery 20: 63, 67.
- See also Mineral Paint.*

Ochese

- a Seminole White town 42: 126, 257.
- allocation of clans in beds at 42: 201-204.
- arrangement of square ground at 42: 232, 283.
- clan councils of 42: 126.
- clans of, furnishing chiefs and henihas 42: 193, 194.
- clans, phratries and moieties of 42: 161 sq.
- position of beds at 42: 199.

Ochpanitzli, a Nahuatl ceremony 15: 274, 287.**Ocilla River**, mention of 42: 686.**Ockewazee**, Ojibwa treaty signer 14: 28.**Ocmulgee**, stand made at, by Creeks 42: 49.**Ocmulgee Path**

- Creeks on 42: 51.
- Muskogee settled on 42: 45, 262.

Oconee Path 42: 776.**Oconee River**

- Creeks on 42: 51.
- Muskogee settled on 42: 45.

Oconostota

- capture and release of, in 1859 19: 42.
- capture of Fort Loudon by 19: 43.
- on Cherokee peace town 19: 207.
- reception of Iroquois peace embassy by 19: 355.
- resignation of, as chief 19: 355.
- signing of treaty of Johnson Hall by 19: 42 sq.

Ocquil, meaning of 16: 241.**Octagon**

- as an element in designs 41: 254.
- interpretation of 41: 327.

October

- Hopi ceremonies celebrated in 21: 23.
- Hopi festivals occurring in 21: 118.

Octopus, used as charm to facilitate childbirth 35: 649, 651.**Odanah**, Ojibwa village, Wisconsin 10: 126.**Odd or Even**

- hidden ball, Paiute 24: 334 sq.
- stick game, Haida 24: 260.
- stick game, Teton Dakota 24: 258.
- stick game, Waso 24: 265.

Odd-shaped Baskets 41: 206 sq., 208.**Odeilah** land cessions and reservations 18: 788.**Oderic, Father** —, Menomini grammar and dictionary by 14: 295.**Odocoileus Couesi**, eaten by the Pima 26: 81.**Odocoileus Hemionus**, eaten by the Pima 26: 83.**O-do^{n'}**

- count of, by Sho^{n'}-ge-mo^{n'}-i^{n'} 39: 179.
- songs of counting 39: 172.

Odontophorus. *See* **Dorakuara.**

Oecodoma Cephalotes

a seasoning of sauces 38: § 248.

ants eaten 38: § 225.

Oenocarpus sp. *See* **Turu.**

Oetteking, Bruno.

mention of 46: 306, 308, 326, 371.

report by 41: 109.

Offences

canceled at busk 42: 571.

general account of 27: 213-216.

Offensive Food 14: 287.

Offerings

burial, use of vessels to hold, eastern United States 20: 39, 40.

by Indian excavators 17: 641.

custom of making, to kateinas 21: 77.

in the Pawík kateina 15: 301.

in Zuñi rituals 47: 498-501.

made to an individual 47: 632.

of food 47: 276, 299, 327 sq.

of pigment 47: 281.

of prayer sticks 47: 275, 294, 318, 500 sq., 538, 623, 626.

of sacred objects 14: 916.

of the medicine societies 47: 529.

of tobacco by the Menomini 14: 252.

to deities 37: 311.

to scalps 47: 327 sq.

to stillborn 47: 299, 300, 318,

to the eagle 14: 1100.

to the sun 47: 294, 534.

to the winds 15: 303.

use of pottery for, eastern United States 20: 24, 25, 36 sq.

See also **Meal**, ceremonial use of.

Office

election to 47: 137.

succession to 47: 254 sq.

See also **Offices.**

Office of Indian Affairs

action toward Omaha 27: 642.

permits granted by 27: 11.

See also **Commissioner of Indian Affairs.**

Office Researches 13: xxxiv; 18: xxx-xlix, 19: xi, xix-xxiii.

Office Work

detailed report on 20: xii-xxv; 22, i: xv-xxxviii.

general scope of 20: ix; 22, i: ix.

Office Work—Continued

mention of 3: xxv; 7: xxx-xxxiv; 8: xxiii-xxix; 9: xxxv; 25: xviii sq.; and *passim*.

Officer Mounds, mention of 42: 833, 834.

Officers

at Oraibi, names of 47: 353.

duties of 47: 252.

for enforcement of orders of chief 36: 68.

functions of 47: 41.

of Katsina society 47: 518.

Pima 26: 195 sq.

secular, duties of 47: 478, 479 sq.

Offices

connection of, with clans 42: 304 sq.

distribution of 36: 66.

held by descent and by merit 42: 305.

removal of, Tsimshian 31: 23.

See also **Office**

Officials

and clan affiliations 47: 38.

nature of records made by 42: 678.

Offley, Colonel —, troop under, in Sioux outbreak 14: 850.

Ofo Language

extinct in 1930 48: 5.

study of 30: 19.

Ofogoula, identical with Ouspie 28: 12.

Ogalala (Oglala; Ogalalla)

a Teton division 14: 1058.

definition and habitat of 15: 161.

gentes of the 15: 220.

in Sioux outbreak 14: 882, 885.

knowledge of the Messiah 14: 819.

obsolete names of the 15: 221.

See also **Oglala.**

Ogden, D. A., land sale to 14: 22.

Ogden, T. L., transactions of Seneca with 18: 770, 772, 776, 818.

Ogden Land Co.

effect of Stambaugh treaty on 14: 30.

operations of 14: 22, 23.

Ogden Mounds, location of 37: 99.

Ogechee River

Creeks on 42: 51.

Muskogee settled on 42: 45.

Ogilby, Jno.

on Acoma 29: 543.

on Jemez 29: 402.

Oglala (Ogalala; Ogalalla)

- battle with Omaha 27: 100, 101.
- definition of 4: 98.
- mention of 4: 132, 133, 134, 136, 137, 140, 141, 143, 144, 145, 146.
- Omaha name for 27: 102.
- Ponca name for 27: 103.
- roster 4: 169, 174 *sqq.*; 10: 420-424.
- roster, description and history of 10: 420 *sq.*
- roster, pictographs from 10: 641, 642, 652.
- Winter counts 4: 129.
- See also* Ogalala.

Oglala Dakota

- individual designation of 10: 424.
- See also* Dakota, *Oglala*.

Oglemute Crania 46: 235.**Oglethorpe, Governor** —

- Cherokee participation in expedition of 19: 36.
- references to 42: 33, 38.

Oglethorpe, James, Indian policy of 18: 634-637.**Ogue hili imāla**, story told by 42: 492.**Ohenonpa**, a Teton division 14: 1059.**Ohiju-hobi**, Warrau name for its drink 38: § 269.**Ohio**

- archeologic work in 8: xix, xx; 13: xxvii; 14: xxxvii.
- bunts from 13: 169.
- celts from 13: 75, 76, 78, 79, 80, 82.
- character of flint quarries in 13: xxviii.
- character of pottery of 20: 22, 188.
- Cherokee band in 19: 79.
- chipped flints from 13: 144, 145, 146, 147, 148, 149, 150, 176, 177.
- chisels from 13: 84.
- collection of Indian relics from 3: 490.
- cores from Flint Ridge 13: 171.
- culture of tribes of 20: 194.
- discoidal stones from 13: 108, 109.
- distribution of stone art in 13: 61.
- district 12:
 - archeology of 561-573.
 - burial mounds of 566 *sq.*

Ohio—Continued

- district 12—continued
 - cemeteries and pits of 572.
 - inclosure in 562.
 - limits and characteristics of 561.
 - mounds wholly or partly of stone in 569.
 - ornaments, brass, from mound 80.
 - pyramidal mounds of 571.
- eastern, trail in 42: 749.
- explorations in 11: xxvi.
- explorations in 12:
 - Adams County, Serpent mound 493.
 - Brown County, mounds and stone graves in 451-457.
 - Brownsville, mound near 458-469.
 - Coshocton County, flint digging in 457, 458.
 - Flint Ridge 572.
 - Franklin County, ancient work in 449 *sqq.*
 - Hocking County, ancient works in 446, 447.
 - Knox County, mounds in 440-446.
 - Licking County, ancient works in 458-469.
 - Madisonville, mound near, containing skeletons surrounded by stones 570.
 - mention of 440-493.
 - Mount Vernon, cemetery mound 464.
 - Mount Vernon, mound at 444.
 - Newark, works at 459-468.
 - Perry County, antiquities of 470.
 - Pike County, antiquities of 489-492.
 - Ripley, stone grave near 455.
 - Ross County, antiquities of 472-488.
 - Warren County, Fort Ancient 492, 561.
- fabric from mound in 13: 36.
- flakes from 13: 172, 174.
- gorgets from 13: 118, 119, 120.
- Great Indian Warpath in 42: 751-758.
- grooved axes from 13: 65, 66, 67, 69.
- grooved stones from 13: 96.

Ohio—Continued

- hammerstone from, described and figured 13: 94.
- mica plate frauds 4: 247.
- mortars from, description of 13: 96.
- mound burial in 1: 117.
- mound district 5: 45-60.
- mounds 5: 10, 12, 13, 45-60.
- mounds at Madisonville 4: 406.
- mounds in, examination of 13: XXIX.
- occurrence of earthenware spoons in 20: 44.
- occurrence of salt-making vessels in 20: 28.
- pestles from 13: 88, 89, 90, 91.
- petroglyphs in 10: 101-104.
- pipe from, description of 13: 131.
- plummet from, described and figured 13: 112.
- polisher from 13: 85.
- pottery of 20: 41 sq., 193.
- pottery of, decoration in color of 20: 167.
- rock carvings in 4: 21.
- Serpent earthwork in Adams County in 4: 402.
- slate pick from, description of 13: 125.
- stemless perforators from 13: 166.
- stemless scrapers from 13: 170.
- stemmed flints from 13: 151, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164.
- stemmed perforators from 13: 167, 168.
- stemmed scrapers from 13: 169.
- stone axes from Butler County 13: 64.
- tube from, description of 13: 128.
- turtlebacks from near Chillicothe 13: 137.
- work in 9: xxvi.

See also **Appalachee-Ohio; Ohio Valley.**

Ohio Falls, trail to 42: 804.

Ohio River

- mention of 42: 44.
- references to 27: 36, 72, 94.
- trails of 42: 757, 785 sq.

Ohio State Museum, Middle Mississippi Valley pottery in 20: 184.

Ohio Valley

- abundance of pottery in 20: 23.
- ceramic complications in 20: 146.
- character of pottery of 20: 146.
- groups of pottery in 20: 21, 183.
- occurrence of altars of baked clay in 20: 37.
- physiography of 20: 183.
- pipes of 20: 45.
- pottery of 20: 182-186.
- pottery of area between Appalachian mountains and 20: 180 sq.
- resemblance between pottery of, and that of East Tennessee 20: 180, 182.
- spool-like earthenware objects from 20: 43 sq.

See also **Appalachee-Ohio; Ohio.**

Ohke. *See* **San Juan.**

Oh-sah-ke-uck 1: 94.

Ohwachira, definition of 21: 255.

Oil

- and water mixed 35: 301, 1317.
- boiled with salmon 35: 322.
- consumption of, among the Eskimo 11: 233.
- drunk from ladles 35: 761.
- eaten with salmon 35: 310, 311, 314, 316, 323.
- feast of 35: 755, 787.
- in Eskimo lamps, use of 18: 63.
- mention of 46: 109.
- of silver perch 35: 666, 704.
- poured into fire in feast 35: 812.
- rubbed on body 35: 666, 704.
- sources of animal 38: § 26, 27.
- sources of vegetable 38: § 25.

Oil Bags, Eskimo 18: 73 sq.

Oil Box

- for preserved crabapples 35: 289.
- for preserved qōt!xote 35: 292.
- for preserved viburnum berries 35: 283, 302.
- making of 35: 82-92.
- measurements of 35: 83.
- mention of 35: 756.

Oil Dish 35: 310, 311, 312, 313, 315, 317, 318, 319, 321, 323, 324, 326, 327, 347, 351, 360, 363, 365, 379, 400, 425, 428, 513, 523, 525, 532, 543, 549, 551, 553, 571.

Oil Spring, reservation at 18: 660.

Ointment

composition of, for anointing the child 22, ii: 222.

sacred, used in Hako ceremony 22, ii: 22, 23.

Ö'ivimă'na, a Cheyenne division 14: 1025.

Ojana Indians

names of the 30: 304.

ordeals of the 30: 278, 309 *sq.*

sickness among the 30: 346.

Ojibwa

a cloud symbol 16: 223.

absence of Ghost dance among the 14: 816.

amounts of wild rice harvested by 19: 1074-1078.

and Cree surface burial 1: 141.

and Dakota warfare 19: 1038-1042.

and Fox warfare 19: 1040.

and Iroquois warfare 19: 1039.

and Menomini intercourse 14: 269.

area inhabited by 7: 149 *sq.*

ball game of the 14: 128 *sq.*

—belief of, respecting spirits 7: 163.

biographical record of 10: 577 *sq.*

birch-bark pictographs of 10: 213.

birch-bark record of treaty by 10: 256 *sq.*

ceremonial songs of 10: 232-250.

ceremonial use of colors by 10: 626 *sq.*

—ceremonials of 11: xxvii.

collections from the 13: xxxi.

concentric circles used as symbols by 10: 199 *sq.*

conventional devices of 10: 653.

culture hero of the 40: 375.

Dakota name for 19: 1040.

date when they entered wild rice fields of Wisconsin 19: 1040.

declaration of peace by 10: 360.

devices of, for life and death 10: 660.

dialogue, of, in signs 1: 499.

drawings of 10: 757 *sq.*

early warfare by the 14: 1059.

eat wild rice in Mide' society lodge, war dance circles, etc. 19: 1085 *sq.*

eat wild rice with berries 19: 1083, 1084.

effect of Shawano religion on the 14: 680.

Ojibwa—Continued

explorations among the 2: xxv.

fasting among the 40: 547.

foot-racing by the 14: 246.

hieroglyphic writing of the 10: 202.

hunting records of the 10: 532, 538.

ideographic illustrations by the 10: bad 586.

cold, snow 605.

fear 591.

great 596.

mention of 586-605.

see 601.

sickness 590.

illustration of battlefield by the 10: 342.

influence on Menomini language 14: 61.

instruments for birch-bark pictographs used by 10: 218.

instruments for drawing on wood used by 10: 219.

investigation of the 14: xxxiv.

invitation sticks of, and ceremony of invitation and acceptance 10: 365 *sq.*

jugglery of the 14: 146.

Lac Courte Oreille band, tie wild rice 19: 1059 *sq.*

land treaty with the 14: 27.

letter writing by the 10: 362 *sq.*

linguistic investigations among the 28: 225.

—manidos or spirits, illustrated by 10: 480.

maple sugar among the 14: 288.

medicine society of the 13: xxxix; 14: 67.

medicine tube of the 13: 127.

Menomini country claimed by the 14: 38.

Midē records of the 10: 252-255.

mnemonic songs of the 14: 106.

musical notation of the 10: 250.

myth of the 19: 430, 445, 448, 470.

mythic wildcats illustrated by 10: 481 *sq.*

—mythology of the 7: 163.

name of the Gros Ventre 14: 955.

names of the Arapaho 14: 953.

notice of condition by the 10: 347.

notice of direction used by 10: 337 *sq.*

Ojibwa—Continued

- notice of warning by 10: 353.
 paper on Midewiwin of the 7: 143–300.
 pictograph recorded by Carver 15: 169.
 pictographs 4: 17, 59, 186, 217 *sq.*, 227, 228, 243, 245, 246.
 pictographs connected with signs 1: 371, 372, 376, 380, 381.
 pictographs on copper by 10: 212 *sq.*
 pipestone 4: 248 *sqq.*
 population of the 7: 50; 19: 1042, 1108, 1109, 1110.
 Potawatomi prophet among the 14: 706.
 property rights in wild rice 19: 1073.
 Rat Portage band, sow wild rice 19: 1057.
 record of migration of 10: 566 *sq.*
 records of battle by 10: 556 *sq.*, 559 *sq.*
 regard for snakes among the 19: 457 *sqq.*
 researches among the 43: 6 *sq.*
 Rice Lake band, sow wild rice 19: 1057.
 shamanism of the 10: 466 *sq.*, 474, 475, 495 *sq.*
 snow-snake game derived from the 14: 244.
 song device of 4: 82 *sqq.*
 song for Metai or medicine hunting 10: 246–250.
 songs of Midewiwin 10: 232–246.
 standard of life of the 19: 1079.
 store wild rice in cedar bark bags 19: 1072.
 study of feather symbolism of the 19: xx.
 study of the 15: xxvi, lxxiii.
 summons to Midē ceremony of 10: 367.
 symbolic colors of the 11: 532.
 tattooing of women of the 10: 395.
 Tenskwatawa among the 14: 677.
 thresh wild rice 19: 1067.
 thunder-birds represented by 10: 487.
 time of year when they consume wild rice 19: 1087, 1088.
 topographic signs employed by the 10: 345.

Ojibwa—Continued

- tradition of, concerning origin of Indians 10: 255 *sq.*
 traditional manner of first obtaining wild rice 19: 1093 *sqq.*
 treatment of disease by jugglery 14: 149.
 tribal and national emblems of 10: 747.
 tribal designation of 10: 385.
 tribal history, migration, and settlements of 19: 1039–1042.
 tribal sign for 1: 472.
 use of hammerstones by the 13: 95.
 wampum belt of the 10: 230.
 weapons of the 10: 753.
 wild rice cured by 19: 1065, 1066.
 wild rice cured by, Fond du Lac band 19: 1064.
 wild rice cured by, Moose-ear River band 19: 1064 *sq.*
 wild rice gathered by 19: 1062, 1063.
 wild rice moon of 19: 1089.
 wild rice winnowed by 19: 1070, 1071.
 witchcraft among the 14: 143.
See also Chippewa; Ojibway.

Ojibwa Language

- certain forms in 28: 239.
 conjunctive mode in 28: 272.
 consonantic clusters in 28: 283.
 description of 28: 261 *sqq.*, 265–269.
 examples in comparison with 28:
 Abnaki 238, 239, 283, 284.
 Algonkin 243, 244, 245, 250, 251, 252, 259, 261, 262, 271, 272, 273.
 Arapaho 235.
 Central Algonquian 245.
 Cheyenne 233, 286.
 Cree 238, 239, 243, 244, 245, 247, 250, 251, 256, 257, 259, 260, 261, 262, 272, 274, 275, 278, 279, 283, 284, 286.
 Cree-Montagnais 259, 273, 277, 280, 287.
 Delaware 238, 239, 243, 244, 256, 257, 261, 270, 273, 274, 275, 278, 279, 280, 284, 286, 288.
 Eastern Algonquian 257, 270, 287, 288.
 Fort Totten Cree 258, 278.

Ojibwa Language—Continued

examples in comparison with 28—
continued

Fox 235, 238, 239, 244, 245, 251,
256, 257, 258, 259, 260, 261, 262,
270, 271, 272, 273.

Kickapoo 259.

Malecite 239, 279.

Menomini 238, 239, 243, 244,
245, 250, 251, 252, 257, 259.

Micmac 238, 256, 273, 284, 288.

Minsi 239, 274.

Montagnais 259, 260, 261, 272,
279, 286.

Natick 238, 239, 243, 244, 250,
251, 273, 274 *sq.*, 280, 283, 286,
288.

Ottawa 245, 250, 251, 252, 259,
261, 262, 271.

Passamaquoddy 239, 243, 257,
258, 277, 278, 283, 284.

Penobscot 238 *sq.*, 279, 283, 284.

Peoria 238, 239, 244, 245, 247,
250, 251, 252, 256, 257, 259, 261,
262, 270, 271, 272, 274, 275, 278
sq., 283, 284.

Potawatomi 259, 261, 262, 271.

Sauk 259.

Shawnee 238, 239, 243, 244, 245,
251, 256, 257, 258, 259, 261, 262,
270, 271, 274, 277, 278, 279, 280,
283, 284, 286, 287.

Stockbridge 238, 284.

Turtle Mountain (Ojibwa dialect)
239.

grammar of, work on 40: 10.

independent mode in 28: 258, 271,
286.

indicative mode in 28: 273.

noun endings of 28: 272.

participial mode in 28: 245, 271.

pronunciation of 28: 227.

relationships of 28: 231, 232, 233,
234, 238, 244, 289, 290a.

subjunctive mode in 28: 245, 246,
260.

subjunctive-participial mode in 28:
245.

texts in, edited by Dr. T. Michelson
39: 20.

See also Mississippi Band.

Ojibwa, Plains, cannibal cult of the
43: 193.

Ojibway

Flathead name for the 45: 302

war feasts, nature of 37: 434.

See also Chippewa; Ojibwa.

Ojo Caliente

a modern village 8: 54, 96 *sq.*

a Zuñi summer village 13: 206,
261; 14: 358; 16: 92, 156.

chinked walls of 8: 142.

described in *Rudo Ensayo* 26: 93.

masonry of 16: 159.

pottery from 4: 494.

Pueblo village of, typical of method
of building up 19: 644.

visited by Alvarado 14: 594.

Ojo de Benado, N. Mex., petro-
glyphs at 10: 97 *sq.*

Ojo de Buro, Pima chief 26: 21.

Ojo Pescado, N. Mex.

petroglyphs near 10: 97.

pictographs at 4: 28.

Okâdjibândjâ Dance

description of 42: 533.

mention of 42: 524.

Okahmause's Band

cession of reserve by 18: 758.

reservation for 18: 740.

Okanagon (Okanagan)

bands of the 45: 204 *sq.*

basketry of the 41: 133, 140, 154,
155, 157.

derivation of the name 45: 198.

division of the 45: 203 *sq.*

Flathead name for the 45: 300.

games of the 24: 300 *sq.*, 806.

imbrication adopted by the 41: 140.

Indian names for the 45: 198, 200.

intercourse of, with other tribes 45:
215.

land cessions and reservations 18:
856, 858.

names given by, to other tribes 45:
202.

present day population of the 45:
315.

probable ancestry of the 45: 215.

sketch of the 14: 734.

territory occupied by the 45: 213.

Okanagon Chiefs, genealogy of the
45: 263.

Okanagon Group

dress of the 45: 23.

intercourse between tribes of 45:
215 *sq.*

Okanagon Group—Continued

migrations of 45: 213 sq.

tribes composing the 45: 198.

Okarina, gourd flageolet 38: §565.**Okatilla**

Pima medicine 26: 265.

Seri use of, in jacal building 17: 221*.

used by Pima in building 26: 156.

Okawwause. *See* **Okahmause**.**Okcabil**. *See* **Yokcabil**.**Okchai**

a White town of the Upper Creeks 42: 124, 254.

allocation of clans in beds at 42: 201-204.

arrangement of square ground of 42: 215, 234.

busk name for 42: 614.

clan councils of 42: 124.

clans of, furnishing chiefs and henihas 42: 192, 194.

clans, phratries and moieties of 42: 158 sq.

chunkey poles at 42: 190.

disposal of sacred utensils at 42: 186.

location of village of 42: 46.

plan of ceremonial ground of 42: 215, 235.

position of beds at 42: 198.

protection given to, by Creeks 42: 46.

Oke, application of the name 42: 709.**Okemawābon**, genealogy of 14: 60.**Okenuck**, purchase of land from 18: 617.**Okfuskee**

allocation of clans in beds at 42: 201-204.

an Upper Creek White town 42: 124, 254.

arrangement of square ground at 42: 210, 212, 220.

busk name of 42: 614.

clan councils of 42: 124.

clans of, furnishing chiefs and henihas 42: 192, 194.

clans, phratries and moieties of 42: 158 sq.

position of beds at 42: 198.

synonym for 42: 73.

Okfuskee Seminole

a White town 42: 126, 257.

allocation of clans in beds at 42: 201-204.

arrangement of square ground of 42: 232, 284.

clan councils of 42: 126.

clans of, furnishing chiefs and henihas 42: 193, 194.

clans, phratries and moieties of 42: 161 sq.

plan of ceremonial ground at 42: 232, 285.

position of beds at 42: 199.

Okinagan, population of 7: 105.**Okinakane**, an Okanagon synonym 14: 734.**O'Kinakane, Fort** 4: 26.**Okilisālgī**, meaning of the word 42: 122.**Okipa**, description of the 11: 502.**Okitiyagana**, a White town 42: 254.**Okiwahkine**, an Okanagon synonym 14: 734.**Oklahoma**

allotment of lands in 19: 153.

field work in 20: ix, xi; 21: ix, xii; 22, i: xiv; 23: ix, xvii; 27: 7.

home of portion of Ponca 27: 41.

material collected in 42: 31.

military posts, etc., in 17: 383.

office work on material from 20: ix.

present home of the Kansa 27: 66.

present home of the Osage 27: 57, 67.

researches in 28: 9, 12 sq.; 30: 11, 18, 21.

Okmulgee

a Lower Creek White town 42: 125, 254.

allocation of clans in beds at 42: 201-204.

arrangement of square ground of 42: 226, 269.

clan councils of 42: 125.

clans of, furnishing chiefs and henihas 42: 193, 194.

clans, phratries and moieties of 42: 160.

old, ghost story of 42: 512.

position of beds at 42: 198.

supposed origin place of Creek Confederacy 42: 262.

- Okolona, Miss.**, naming of 42: 827.
Okona-kura. *See* Morning Star.
Okoyumo
 evil due to 30: 349.
 legends concerning 30: 248 sq.,
 251 sq.
Oksik 46: 204.
Oktibbeha, mention of 44: 240.
Okuwañ Clan, census of 19: 621 sq.
Ola Walum 4: 84, 158, 188, 207.
Olachen
 ceremonies connected with catching
 31: 545.
 fishing of 35: 198.
 mention of 35: 1003.
 net for catching 35: 677.
 oil, sold to Haida 31: 57.
 special roasting of 31: 450.
Olacopotoo, early name of Toccopola
 42: 820.
Olala 35: 1018, 1176.
Olamentke
 dialect of Kostromitonov 7: 92.
 division of Moquelumnan family,
 tribes of 7: 93.
 games of the 24:
 dice games 144.
 stick games 248.
Old, Serian and Yuman words meaning
 17: 336* sq.
Old Age, symbols of 36: 71.
Old Age Wi'-gi-e 43: 45 sqq.
Old Americans, Whites
 measurements of 46:
 calf 247.
 chest 245.
 ears 244.
 face 241.
 feet 246.
 forehead 240.
 hands 245.
 mouth 243.
 nose 243.
 strength 249.
Old Bracket, plates described by 42:
 504.
Old Cayes, near Flagstaff, Ariz.,
 description of 22, i: 36 sq.
Old Cherokee Path to Virginia 42:
 771, 772.
Old Chillicothe, mention of 42: 788.
Old Dance, performance of 42: 602,
 606, 610.
Old Enterprise, Fla., occurrence of
 fiber-tempered wares at 20: 122.
Old Giant, story about 43: 331-339.
Old Gray-headed Decorah's Village,
 location of 37: 51.
Old Hamilton
 burials at 46: 182.
 skull at 46: 68, 74, 75.
"Old Igloos" 46: 209.
Old Kasaan, restoration of 43: 12
 sq.
Old Keowee Town, trail to 42: 772.
Old Lincoln, stories concerning 37:
 254, 255-259.
Old Man, sign for 1: 338.
Old Man Cactus. *See* Samo Wüq-
 taka.
Old-Man-of-the-Sun Dance. *See*
 K'adó-gyá'tó.
Old Man Sun. *See* Ahül; Tawa
 wüqtaka.
Old Mary. *See* Sika'tcu.
Old Mashongnavi, tradition concern-
 ing occupation of 8: 47 sq.
"Old Men" in Omaha legend 27:
 201, 207.
Old Men's Dance
 description of 42: 534, 556.
 mention of 42: 523, 524.
Old Minto 46: 41, 125.
Old Pecos, collection from 2: 418.
Old People
 provision for 42: 79, 171, 182.
 treatment of 42: 345; 46: 422,
 443 sq., 576 sq.
Old Pojuaque, collection from 2:
 441.
Old River, mounds on 44: 411.
Old San Antonio Road
 mention of 42: 830.
 story of 42: 831 sqq.
Old Sapona. *See* Sapona, Old.
Old Settler
 Cherokee party 5: 293, 375.
 claims of, settlement of 5: 307.
 payments to 5: 299.
 propose to remove to Mexico 5:
 302.
Old Settlers. *See* Arkansas Chero-
 kee.
Old Shumopovi Ruins
 bowl with snout from, cut showing
 22, i: 114.

- Old Shumopovi Ruins**—Continued
 excavations at, stoppage of 22, i: 112.
 general features of 22, i: 111 *sqq.*
 pottery from 22, i:
 bird design on 115-118.
 decoration of 114-119.
 gaming cane design on 118.
 general features and form of 113.
 reptilian design on, description and figure of 114.
 specimens collected at, number of 22, i: 18.
- Old South Leaflet**, translation of Coronado's letter in 14: 552.
- Old Station** 46: 46, 81, 82, 133.
- Old Stone Fort, Tenn.**
 ancient Indian town at 42: 847.
 trail from 42: 847.
- Old Tassel**, complaint against American encroachments by 19: 60.
- Old Town**
 mention of ruins of 41: 496.
 name for Chickasaw Old Fields 44: 176.
 treaty of 18: 694.
- Old Town, Mo.**, an Osage village site 41: 66.
- Old Waterloo Road** 42: 851.
- Old Witch Bird**, *Crotophaga*, eggs of, eaten 38: §163.
- Old Woman Magician** in Pima mythology 26: 360.
- Old - Woman - underneath**, Tlingit mythological being 26: 452.
- Old Wrangell**
 clans of 26: 411.
 Tlingit town 26: 397.
- Oldmixon, Dr. George Scott**, surgeon of Point Barrow expedition 9: 19.
- Oleaceae** 33: 108.
- Olgen, Lorenza**, a scalp taker 47: 260.
- Oliva Shells**, use of, as beads 2: 219, 222.
- Olive Hill, Tenn.**, flint workshop near 44: 520.
- Olive Jars, Spanish**, occurrence of, in Florida mounds 20: 120, 129 *sq.*
- Olivella Shells**
 beads of 44: 163.
 use of 44: 147, 148.
 use of, as beads 2: 220.
- Oliver, Alice M.**, aid by 10: xvii.
- Oliver, Peter**, quoted on Massachusetts' Indian policy 18: 602, 608.
- Ollas**
 mention of 4: 283-287, 293, 306, 314, 318, 335, 498, 500.
 Seri, adaptation to function of 17: 184*.
 Seri, character and capacity of 17: 182* *sq.*
 Seri, decoration of 17: 173* *sqq.*
 Seri, method of manufacture of 17: 183* *sq.*
 Seri, method of using 17: 184*.
 steatite 44: 84 *sq.*
 table of relative capacity of 17: 183*.
- Ollero Apache**, Tewa name for 29: 574.
- Ollin**
 day symbol, discussion of 16: 254.
 meaning of 16: 255.
- Olmos, Padre de** —, Mexican linguistic writings of 16: xxxix.
- Olmstead, A. J.**, work of 44: 17; 45: 18.
- Olney**, —, wild rice harvesting, reference to 19: 1057 note.
- Olney, D.**, Pueblo ruins near ranch of 22, i: 173.
- Olney**, steatite quarries near 15: 128.
- Olneya Tesota**, Pima food plant 26: 70 *sq.*
- Oloh** symbol, discussion of 16: 218.
- Ololopa**
 games of the 24:
 hand game 299.
 stick games 248, 258.
- Olumpali**, stick game of the 24: 248.
- Olympia**, treaty of 18: 808.
- Omada, Jesus**, denunciation of Seri by 17: 116.
- Omaha**
 a Øegiha division 15: 161.
 absence of Ghost dance among 14: 816.
 accouchement among the 3: 263.
 account of the 15: 226.
 agriculture among the 3: 302.
 Ama^ahe 3: 269.
 and Ponka letters 13: xxxix.
 beliefs as to future life 11: 419.
 Caddo name of the 14: 1093.

Omaha—Continued

calumet dance of 3: 276.
 calumet pipe of 3: 277.
 Catada gens of 3: 236.
 catamenia among the 3: 267.
 ceremonial colors used by 10: 625, 628.
 ceremony by women of 36: 227.
 charities of the 3: 274.
 chiefs of the 3: 357, 358.
 child-bearing among the 3: 263, 264.
 chungke game of 13: 99.
 classes in the state 3: 216.
 clothing of 3: 310.
 colloquy in signs 1: 490.
 connection of the, with northwestern pottery 20: 187 *sq.*
 corporations of the 3: 218, 342.
 cults of the, description of 11: 371.
 curious customs, during a fog 3: 240.
 customs of the 11: 374.
 dances of the 3: 342-355.
 data on dances of 40: 548.
 Deerhead gens of 3: 245.
 domestic etiquette of 3: 262.
 domestic life of 3: 259.
 drinks of the 3: 309.
 dwellings, furniture and implements of 13: LIV, 263-288.
 Earthmaker gens of 36: 226.
 Elk gens of 3: 225.
 fasting among the 3: 266, 317, 319; 40: 546.
 fetishes of the 3: 276, 317.
 fishing 3: 301.
 fishing customs of 3: 301.
 food of the 3: 303-309.
 games of the 3: 334-341.
 games of the 24:
 archery 383, 393 *sq.*
 bull-roarer 750.
 dice games 187 *sq.*
 double ball 648, 663.
 European games 797.
 hidden ball 366.
 hoop and pole 420, 421, 514 *sqq.*
 popgun 759 *sq.*
 shinny 617, 641 *sq.*, 760.
 snow-snake 419 *sq.*
 stick games 259.
 target shooting 760.
 throwing sticks 760.
 tops 747, 760.

95719°—33—48

Omaha—Continued

gaming dice of, presented to the Bureau 34: 30.
 gentile system of the 3: 219, 251.
 gentes of the 3: 215.
 government of the 3: 356-363.
 habitat of the 7: 115.
 Hañga gens of the 3: 233.
 harvest customs of 3: 238.
 hunting among the 3: 283.
 hunting customs of 3: 283, 301.
 Ictasanda gens of 3: 248.
 incident of reorganization of 36: 65.
 industries among the 3: 283-303, 310 *sq.*
 influence of, among Pawnees 22, ii: 13.
 Inñge-jide gens of 3: 247.
 Inñke-sabe gens of 3: 228.
 insignia worn by police of 10: 420.
 Kansas gens of 3: 241.
 kinship system of the 3: 252-255.
 knife used in tattooing ceremony of 36: 236.
 land cessions and reservations 18: 726, 790, 834, 858, 876, 908, 918.
 law of the 3: 364.
 Mañpinka-gaxe gens of 3: 242.
 manuscript on the 30: 24.
 marriage customs of the 3: 259; 17: 286*.
 marriage laws of the 3: 255, 267.
 meals of the 3: 271.
 medicines or fetishes of the 3: 276, 317.
 mention of the 4: 101, 132, 133, 134, 135.
 method of camping 3: 219, 220.
 migrations of the 3: 213.
 music of the 15: 176.
 myths of the 1: 581; 19: 432 *sq.*, 440, 448, 449, 452, 456, 463, 465, 474; 39: 131.
 names of divisions of 37: 181.
 origin and early history of 15: 191.
 origin of the 45: 633 *sq.*
 parental rights among the 3: 268.
 personal habits of the 3: 269.
 personal names of, list obtained 10: XIX.
 politeness of the 3: 268.
 population of the 7: 117; 15: 192.
 post-nuptial customs of 3: 261.

Omaha—Continued

- preparations for attacking enemies 3: 326.
- pregnancy among the 3: 263.
- present state of 3: 214.
- protective industries of 3: 312.
- record of war expeditions by 10: 552.
- refugees among the 3: 268.
- regulative industries among the 3: 356.
- relations of, with Osage 36: 45, 46.
- researches concerning 11: xxxi.
- reticence of, as to secret societies 6: 396.
- sacred medicine of 17: 242.
- sacred pipes of the 3: 221.
- sacred tents of the 3: 221.
- separation of, from the Osage 36: 281.
- servants among the 3: 217.
- sleeping customs of 3: 273.
- societies among the 3: 342.
- sociology of the 3: 205-370.
- some customs of the 39: 41, 42, 111, 127, 137, 182, 183.
- source of medicine rituals of 14: 62.
- statement of, regarding Hako ceremony among Pawnee 22, ii: 13.
- status of chief among the 15: 222.
- story told by the 39: 124.
- study of the 14: 654.
- symbol for the 4: 166, 167.
- tattoo designs of the 10: 395.
- terms, definition of 11: 367.
- thunderbird and cedar among the 15: 183.
- tribal circles of the 3: 219.
- tribal custom of the 43: 94.
- tribal designations of the 10: 385.
- tribal fetishes of the 11: 414.
- tribal medicine of the 19: 503.
- visit to the 14: 767.
- visiting customs of the 3: 276, 282.
- Wama^ahe 3: 269.
- warfare of the 3: 312.
- witnessing of Hako ceremony among 22, ii: 13.
- women among the 3: 266.
- Omaha City**, Omaha name for 27: 101.
- Omaha Creek**, references to 27: 86, 87, 91, 99, 100.

- Omaha Dance**, application of the term 27: 461.
- Omaha Dialect**, words of, in Osage rituals 39: 186 sq.
- Omaha Dictionary**, preparation of 45: 6.
- Omaha Exposition**
 - Blackfoot skin tents at 20: xvi.
 - Indian Congress at, plan for 20: xi, xvi.
 - Wichita grass house at 20: xvi.
- Omaha Structures**, account of 41: 517 sq.
- Omaha Village Sites**, investigation of 41: 64 sqq.
- Omar**, legend concerning 30: 244.
- Omens**
 - among the Kiowa 17: 242.
 - belief in 46: 497; 47: 248.
 - frogs and toads kept for 38: § 725.
 - Indian's faith in 11: 500.
 - nature of 30: 271-277.
 - of misfortune, Picuris 43: 393.
 - See also Ill Omen; Signs.*
- Omphalea Diandra**
 - seeds drilled 38: § 19, 75.
 - seeds used for necklaces 38: § 535.
- Om'pato'nga**, remarks of 27: 638.
- On-top-of-the-Hill**, *See A'gabai*.
- Onachi Bird** in chieftainship ordeal 38: § 745.
- Onas**, Mohawk name for William Penn 10: 443.
- Oñate**, *Count of* —, appointment of nephew of 14: 477.
- Oñate, Christobal de**
 - acting governor of New Galicia 14: 351.
 - Coronado entertained by 14: 478.
 - defense of New Galicia by 14: 408.
 - testimony of 14: 598.
- Oñate, Don Juan de**
 - Acoma visited by 47: 26.
 - Awatobi visited by 17: 594, 599.
 - expeditions of 13: 185.
 - Hopi pueblos found by 28: 220.
 - on 29:
 - Acoma 543, 544.
 - Chilili 531.
 - Cochiti 439.
 - Galisteo 482.
 - Jemez Indians 402.
 - Jemez Pueblos 405, 406, 407, 408.
 - Kipana 550.

Oñate, Don Juan de—Continued

on 29—continued

Ojana 553.

Picuris 193.

Puaray 523, 524.

San Cristóbal 486.

San Felipe 499.

San Gabriel 228.

San Ildefonso 305.

San Juan 213.

San Marcos 551.

San Pablo ruin 508.

Sandia 525.

Santa Ana 520, 521

Santa Clara 242.

Santo Domingo 449.

Sia 517, 519.

Tajique 533.

Taos 182, 183.

Yuqueyunque 227.

reduction of pueblos by 14: 524.

reference to early visit of, to Mohoce
19: 598.

route of 28: 186, 207.

visit of, to Zuñi 13: 327.

Onathaqua, a Timucua chief 42:
686.**O'naya'nakia**

ashes, sprinkling of 23: 492, 494.

Beast gods, food deposited for 23:
492.ceremonial chamber 23: 491 *sq.*ceremony, excitement of participants
in 23: 495 *sq.*

closing ceremonies of 23: 502.

director, dancing of 23: 500.

Fire fraternity, playing with fire by
23: 495.first night, ceremonies of 23: 491–
495.guest, playing with fire by a 23:
495.initiation into order of 23: 490–
504.members, manipulation of live coals
by 23: 503.novices 23: 493, 499 *sq.*, 501.

patients 23: 493, 501.

prayer, offering of 23: 493.

sand painting, making of 23: 491.

Oncapapas 4: 122.**Ondaaiondiont, Charles**, mention of
43: 458.**One-Bear.** *See* Set-pä'go.**One Clan House**, excavation of 41:
52.**One-eyed Decorah's Village**, location
of 37: 51.**One Feather**, in the Few Tails affair
14: 889, 890.**One Slice**, meaning of the term 40:
181, 513.**One-who-finds-nothing**, Eskimo leg-
end of 18: 474–479.**Oneida, Idaho**

petroglyphs in 10: 77.

pictographs at 4: 37.

Oneida IndiansCherokee endeavor for union with
19: 105.Eleazer Williams among the 14:
23.

land cession 14: 26.

land cessions and reservations 18:
768 *sqq.*, 772.land purchase at Green Bay 14:
23.

mention of the 24: 117.

myths of the 19: 454.

peace treaty of the 43: 456.

population and lands of the 14: 31.

population of the 7: 80.

researches among the 41: 9; 42:
11.settlement among, of Brotherton
Indians 43: 211 *sq.*

treaty with the 14: 30.

visit to Green Bay 14: 23.

See also Five Nations; New York
Indians; Six Nations.**Oney Farm**, flint on 44: 519.**Onions**

ground cherry used with 30: 70.

medicinal use of 43: 267, 269.

wild, use of 44: 286, 340, 377.

Onomatopoeia 1: 283.**Onóna**, "two-month" maize 38:
§ 244.**Onondaga Castle**, capital of the Con-
federation 43: 454.**Onondaga Indians, or Tribe**

clans of 43: 459.

custody of Iroquois wampums by
19: 354.

games of the 24:

dice games 111 *sqq.*, 117.

hidden ball 349.

racket 592.

Onondaga Indians, or Tribe—Con.
 land purchase at Green Bay 14: 23.
 legends of, sociologic value of 22, i: xxix sq.
 mention of the 3: xxiii.
 mortuary customs of the 17: 288.
 name for violet 19: 505.
 organizations established by 43: 453.
 peace delegation of the 43: 455.
 peace negotiations of, with the Huron 43: 457.
 peace treaty of the 43: 456.
 population of the 7: 80.
 researches among the 42: 11.
 researches concerning the 11: xxx.
 reservation of the 43: 454.
 study of language of 30: 20.
 text in language of 30: 19.
 texts in language of, character of 28: 14.
 version of Iroquoian cosmology 21: 141.
 village of the 43: 454.
 work of J. N. B. Hewitt among 6: xxx, xxxi.
See also Five Nations; New York Indians; Six Nations.

Onondaga Village
 change of site of 43: 460.
 seat of the League of the Iroquois 43: 460.
 sites of 43: 454, 461.

Ontario, Iroquois name for governor of Canada 10: 443.

Onopoma land cessions and reservations 18: 784.

Onorato, companion of Friar Marcos 14: 355.

Onosmodium Hispidissimum, use of 44: 290, 376.

On'pon Inikashiha group, Quapaw 27: 68.

Ontario, Canada
 field work in 18: xxviii; 20: ix, xi; 21: ix; 22, i: ix.
 office work on material from 20: xi.
 petroglyphs in 10: 42 sq.
 pottery from 20: 170, 197 sq.
 researches in 28: 10, 14, 15; 29: 10, 18.

Ontology, definition of 20: clxxxv.

Ontonagon Chippewa, land cessions and reservations by 18: 796.

Onzaga, Indian policy of 18: 542.

Ooche-no^opa. *See Two Kettles.*

Ooglamie, Alaska, name used by mistake 9: 26.

Ooletewah, Tenn., trail through 42: 750.

Oothcaloga, establishment of mission at 19: 107.

Ootlashoot, a Kutenai band 14: 731.

Opa
 in Pima mythology 26: 213.
 location of 26: 93.
 reference to 28: 44, 61.

Opata Indian
 a tribe of Sonora 14: 537.
 games of the 24:
 ball race 666, 670.
 dice games 146.
 shinny 631.
 houses of the 14: 515.
 method of counting 19: 879.
 method of forming numbers above ten 19: 911.
 number names of 19: 876, 878, 922, 929.
 reference to 28: 54.
 swiftness of the 17: 125.

Opaya Mataha, a Chickasaw chief 44: 215.

Opayhatchoo, cession of land by 18: 636.

Opechancanough
 action on Indian massacre by 18: 564.
 attempt of, to poison colonists 42: 697.
 war with 18: 565.

Opelemoemoe 33: 642.

Opelousas Claim, report on 18: 544.

Open Stone Yokes 25: 253-257.

Openings
 absence of, in cliff houses 16: 132.
 in Casa Blanca walls 16: 109.
 in cliff kivas 16: 125, 129, 175.
 in cliff-dwelling walls 16: 123 sq., 164, 197.
 in Honanki walls 17: 565.
 in lee walls 8: 182.
 in Mummy Cave ruin walls 16: 114.
 in wall of Zuñi kiva 8: 114.

- Openings**—Continued
 in walls of Tâaaiyalana structures 8: 90.
 oblique, Zuñi 8: 98, 207 sq.
 of Pueblo houses banded with white-wash 8: 145 sq.
 of Kin-tiel walls 8: 92, 93.
 splayed, in Ketchipauan church 8: 82.
 to kivas 8: 113 sq.
See also Doorway; Entrances.
- Ophiolatry** in the Snake dance 19: 1008 sq.
- O'pi**, or Warriors Society 47: 96.
- Opillâko**, former Creek town 42: 106.
- Opilth-Mico**
 an influential chief 42: 323.
 opposition of, to McGillivray 42: 325.
- Opinions**, nature and origin of 20: CLXXI sq.
- Opitchesaht**
 games of the 24:
 bean shooter 761.
 shuttlecock 719.
- Opithli**
 interpretation of name 42: 34.
 Sawokli "king" 42: 34.
- Opoia Mateha**, a Chickasaw chief 42: 811.
- O'-pon Gens.** *See Elk Gens.*
- O. Porthle Yoholo**
 speaker of the Upper Creeks 42: 329.
See also Hoboi-hil Yahola.
- Opossum**
 myths and lore concerning 19: 263, 265, 266, 269, 273, 278, 431, 449, 450.
 rat, taming of 38: §716, 723.
 vase suggesting, Middle Mississippi Valley group 20: 95.
See also Bush Rat.
- Opossum Clan**
 native name for 42: 116.
 of the Yuchi 42: 118.
- Opossum Disease**, the name for croup 42: 644.
- Opothleoholo**
 opinion of, regarding brass plates 42: 505.
See also Hoboi-hil Yahola.
- Opothleyoholo**
 loyal to the United States 5: 330, 331.
 wealth of 42: 333.
See also Hoboi-hil Yahola.
- Oppassantubby**
 reservation for 18: 682 sq.
 sale of reserve for 18: 694.
- Oppel, Charles C.**, on present use of wild rice by whites 19: 1105.
- Opposite**, signs for 1: 353.
- Opposition**
 in sign language 1: 364.
 pictograph for 10: 597 sq.
- Opukahonua** 33: 635.
- Opuntia Arborescens**, Pima food plant 26: 69, 71, 78, 103.
- Opuntia Engelmanni**, Pima food plant 26: 75.
- Opuntia Humifusa** 33: 104.
- Opuntia Polycantha** 45: 480, 498.
- Opuntia sp.** 45: 484.
- Opuntia Tuna.** *See Tuna.*
- Opuntia Versicolor**, Pima food plant 26: 78.
- O'pxoⁿ** group, Osage 27: 63.
- O'pxoⁿ Gens**
 life symbol of 36: 113.
 wi'-gi-of 36: 112-115.
- O'pxoⁿ Inikashikithe Gens**, Kansa 27: 67.
- Oqomiut** Eskimo tribe, situation and subdivisions of 6: 424-440.
- Oquanoxa's Village**
 cession of reserve at 18: 734.
 reservation at 18: 686.
- Oquill**, meaning of 16: 241.
- Orache**, use of, as food 30: 66.
- Oracles**, belief in 11: 510, 516.
- Oraibi**
 affray between the Walpi and 8: 35.
 age of 17: 607.
 architectural character of 13: 195.
 ceremonial organization 47: 353-357.
 corral walls at, laid without mortar 8: 147.
 corrals at, large size of 8: 214.
 departure of Ketchina and Paroquet peoples from 8: 27.
 description of 8: 76 sq.
 description of Star kateina of 21: 89.
 direction of kivas of 8: 115 sq.

Oraibi—Continued

- distribution of gentes of 8: 104 *sq.*
- families occupying 8: 105–108.
- Flute altar, comparison with, of
Mishongnovi Flute altar 19: 993
sq.
- home of Honani clans 9: 606.
- in 1782 17: 580.
- kiva for women 8: 134.
- kiva, hatchway of 8: 201.
- Laguna colony of 47: 348–357.
- legendary origin of 17: 634.
- list of kivas of 8: 137.
- location and settlement of, in Hopi
country 19: 579 *sq.*
- masked dances at 47: 354 *sq.*
- myth 1: 27.
- name of, discussion of 47: 350.
- Natackas at 21: 71.
- notched ladders described and fig-
ured 8: 157 *sq.*
- Powamû festival most complicated
at 21: 31.
- rare use of plastering on outer walls
of 8: 144.
- retirement of Sikyatki inhabitants
to 8: 24.
- sacred stone 4: 58.
- secular government of 47: 353.
- settlement by the Bears of 8: 27.
- settlement of the Water people at
8: 33.
- site of 17: 578.
- Snake ceremony at 16: 273, 290–
295, 296.
- Snake dance, in 1896 19: 964.
- Snake dance, most primitive form
19: 986.
- social organization of 47: 357.
- stone steps at, figured 8: 161.
- town chief of 47: 354.
- traditions regarding first settlement
of 8: 27.
- type of basketry, from Cheylon, cut
showing 22, i: 98, 99.
- use of extramural receptacles for
serpent effigies by 21: 51.
- variant of Coto in 21: 89.
- Oraibi Chief Tubi** 4: 29, 46, 194.
- Oraibi-Shumopavi Boundary Stone**
8: 28.
- Oraibi Village**, reference to 28: 58.
- Oraibi Wash**, ruins on the 8: 54 *sqq.*

Oral Language

- definition of 1: 273.
- development of 22, i: xxxi.
- evolution of 20: cxliv *sq.*
- primitive 1: 274.
- Orang-utans**, fables of 30: 363, 366.
- Orange**, cultivation of 38: § 246.
- Orange Mound, Fla.**, occurrence of
fiber-tempered wares in 20: 122.
- Orator of the Plains**, name applied to
Set-t'aiñte 17: 206, 207.
- Orators, Modern**, gestures used by
the 1: 311.

Oratory

- a Zuni art 47: 618.
- as an agency of instruction 20:
cxcv *sq.*
- of the Creeks 42: 313 *sq.*
- of the Indians 46: 526, 596–602.
- See also Speeches.*

Orbigignia for pegalls 38: § 100.

Orbits

- and head form 46: 277.
- of the Eskimo 46: 234–237, 264,
270–274.
- of the Yukon Eskimo 46: 162, 163.
- of the Yukon Indians 46: 152,
154, 155, 157.

Orchard, William C., quillwork
described by 41: 365 *sq.*

Orchard Party of Oneida, treaty with
18: 772.

Ordeal of sacred bags, Omaha 3:
328.

Ordeals

- customs connected with 11: 414,
499.
- for chieftainship 38: § 745–748.
- for hunting 38: § 162.
- for puberty and marriage 38: § 884.
- nature of 30: 277–281, 308–325,
338–341.

*See also Children; Marriage; Medi-
cine Men; Ordeal; Puberty.*

Order of the Bow 3: xix.

Ordinals

- Unalit, table of 18: 239.
- See also Numbers; Numerals;*
etc.

Ore, Major —, expedition against
Chickamauga towns under 19:
78 *sq.*

Oregon

- coast of, explored by Cabrillo 14: 411.
- collection of Indian relics from 3: 492 *sqq.*
- explorations in 11: xxxii.
- field work in 23: ix, xiv; 27: 7.
- petroglyphs in 10: 104 *sqq.*
- researches in 28: 15; 30; 11.
- rock carvings in 4: 25.

Oregon Crab, use of 45: 487.

Oregon Grape, use of, in basketry 41: 145.

Oregon Hollygrape, use of 45: 490, 502.

Oregon Indians

- ceremonial weapons of 13: 116.
- land cessions and reservations by 18: 808, 812, 814, 838.

O'Reilly, Alex., decree concerning land grants by 18: 545.

Orenda

- definition of 21: 339.
- discussion of 43: 608.
- discussion of, by J. N. B. Hewitt 37: 282.

Organ made of gourds 38: § 571.

Organization

- of the Osage 36:
 - allegorical story of 59-65.
 - symbolic nature of 51, 59.
- tribal, dual form of 39: 66.
- twofold, discussion of 37: 181-190.

Organs, Internal, Eskimo 46: 366.

Orgeate, a French drink taken from the Italians 38: § 260.

Oriental Games, comparison of, with Indian games 24: 29.

Orientation

- Fox scheme of 40: 37, 67, 71, 73, 75, 77, 133.
- in burials 43: 3; 46: 572, 573; 47: 248.
- in ceremonies 47: 529.
- in juggler ceremony 14: 147.
- in Zuñi ceremonials 13: 370.
- of Arapaho tipi 14: 956.
- of Awatobi mission 17: 609.
- of camping circle 14: 1026.
- of Casa Grande 28: 73 *sq.*, 94, 95.
- of dwellings 27: 97.
- of He'dewachi tree 27: 253.
- of houses, reason for 42: 634.
- of hu'thuga 27: 137, 138, 196.

Orientation—Continued

- of kivas 8: 115 *sq.*
- of medicine lodge 14: 71, 86, 90, 156.
- of Pima dwellings 26: 154.
- of Seri jacales 17: 222*.
- of square ground 42: 187.
- of the dead 40: 372, 409.
- See also Cardinal Points.*

Origin

- and development of form and ornament in ceramic art 4: 437-465.
- beliefs of Southeastern Indians 42: 480.

legends of the Chickasaw 44: 174-179.

- legends of the Creeks 42:
 - as given by Bartram 49.
 - as given by Hawkins 49 *sqq.*
 - as given by Swan 47 *sq.*

myths 42:

- Alabama, where given 33.
- Hitchiti, where given 33.
- Muskogee 33-75.

myths of the 37:

- Bear clan 225, 229-235.
- Bear feast 301 *sq.*
- Buffalo clan 243 *sqq.*
- Medicine dance 350-359.
- Thunderbird clan 212-218.
- Warrior clan 219 *sq.*
- Water-spirit clan 242.
- myths, three versions of 47: 547.
- myths, Zuñi, discussion of 47: 547 *sqq.*
- of American Indians, theory of 42: 507, 518, 519, 520, 543, 678; 44: 254.

of American Indians, tradition of 10: 255 *sq.*

of ceramic forms 4: 269, 272, 376, 445-453.

of Dakota name of the deity 4: 103.

of Eskimo 46:

- America 330-333, 356, 359.
- Asia 330-333, 357, 359.
- Europe 331 *sqq.*, 357, 359.
- mention of 168, 329, 333-361, 365.
- Polar 332, 333.
- tertiary, paleolithic, indefinite 333, 351, 357, 360.

of human race, Iroquois myth 2: 76.

Origin—Continued

- of man, Creek story regarding 42: 64.
- of man, in connection with the study of anthropology 1: 77, 78.
- of medicine, Iroquois myth 2: 78.
- of Omaha, Qatada gens, mythical 3: 237.
- of ornament in pottery 4: 453.
- of plumage, Iroquois myth 2: 79.
- of Seneca medicine, Iroquois myth 2: 70.
- of sign language 1: 273.
- of silversmith's craft among the Navaho 2: 171.
- of the Adlet and the Qadlunait 6: 637.
- of the coil 4: 277.
- of the constellations, Iroquois myth 2: 80.
- of the narwhal 6: 625 *sqq.*
- of the Winter Counts 4: 91, 92.
- of tobacco, Iroquois myth 2: 79.
- of wampum, Iroquois myth 2: 78.
- stories, paraphrased in wi'-gi-es 43: 84.
- wi'-gi-e 43: 56 *sqq.*

Origin Myths. *See* **Emergence; Myths; Origin; Origin Tales.****Origin Tales, Isleta** 47: 359-363.**Original and Secondary Cessions** 1: 256.**Orinoco Tribes**

- coiled pottery of the 4: 276.
 - culture of the 25: 21 *sq.*, 217.
 - dances of the 25: 83.
 - hammocks of the 25: 213.
 - houses of the 25: 46.
 - images of the 25: 137.
 - mortuary customs of the 25: 70 *sqq.*, 83, 213.
 - poisoned arrows of the 25: 93.
 - preparation of cassava by the 25: 52 *sq.*
 - seats of the 25: 204, 216 *sq.*
 - wooden pestles and mortars of the 25: 211.
- See also* **Carib.**

Oriole

- nest of, use of, in Hako ceremony 22, ii: 20.

See also **Bird; Nest.**

Orion's Belt, Eskimo belief concerning 18: 449.**Oriwa, Makusi name for fan** 38: § 366.**Oriyu**

- damage done by 30: 250 *sq.*
- guardian spirit of boats 30: 242.
- legends concerning 30: 242, 246, 251.

Orizaba, Mexico, antiquities near 26: xv.**Orké, pueblo of, speaks same language as Hano clans** 19: 614.**Orlean.** *See* **Bixa.****Ormejera, Nos. 1 and 2, Pima villages** 26: 21.**Ornament, Ceramic**

- in pottery, origin of 4: 453-457.
- mention of 4: 271, 278-282, 303, 305, 337, 359, 373, 377, 393, 399, 412, 444, 463, 488.

See also **Decoration; Ornamentation.**

Ornamental

- elements modified by invention 4: 453.
- objects of clay from Cochiti 2: 408.
- objects of vegetal substances from Wolpi 2: 393.

Ornamentation

- affected by advent of traders 27: 615.
- of basketry 41:
 - animals represented in 429 *sq.*
 - comparison of 424 *sqq.*
 - development of 385 *sq.*
 - discussion of 223-258, 371-383.
 - objects represented in 426 *sqq.*
 - plants represented in 428.
 - terms used in 399.
- of clay vessels 2: 327.
- of clothing, Nenenot 11: 283.
- of coiled basketry 4: 487.
- of pipes 14: 248.
- of quivers 14: 281.

See also **Adornment; Decoration; Ornaments.**

Ornaments

- burial of, with the dead 30: 149, 156 *sq.*
- distribution of 15: 142.
- Eastern United States pottery 20: 24, 25, 42 *sq.*
- from Pueblo ruins in Arizona, character of 22, i: 85-93, 163, 187.
- in ceremonial costumery 15: 275.

Ornaments—Continued

- in Sikyatki graves 17: 733.
- Middle Mississippi Valley pottery
 - 20: 83, 98, 99 *sq.*
- of gold 34: 230 *sq.*
- of shell 2: 213, 305; 34: 230, 265.
- of silver 44: 241.
- of the Eskimo 18: 44-63.
- of the Eskimo 9:
 - beads 149.
 - bracelets 148 *sq.*
 - earrings 142 *sq.*
 - finger rings 149.
 - labrets 143 *sq.*
 - necklaces 148.
 - painting 140.
 - tattooing 138 *sq.*
- of the Guiana Indians, body 38:
 - p. 431-449.
- of the Kwakiutl 35: 778.
- of the Menomini 14: 75, 137, 264.
- of the Omaha dancers 3: 344-355.
- personal, of the 45:
 - Coeur d'Alène 81 *sq.*
 - Flathead 339 *sq.*
 - Okanagon 236.
- stone, how finished 15: 26.
- use of 42: 685 *sq.*; 46: 590 *sq.*
- See also* Beads; Caracolis; Disks;
 - Ear Ornaments; Necklaces; Ornament; Pendants.
- Oroan, eclipses due to 30: 254 *sq.*
- Orobanche Fasciculata 45: 509.
- Orokoyana. *See* Roucouyenne.
- Orongo Indians, of *Easter Island*,
 - houses of 10: 169.
- Oronhiatekha, a Caughnawaga chief
 - 14: 24.
- Orozco y Berra, Manuel
 - cited as to symbols in Mexican calendar 3: 46, 48, 49.
 - classification of Serian family by 17: 102 *sq.*
 - linguistic classification of, vindicated 21: xxv.
 - linguistic literature of 7: 20
 - map by 17: 103.
 - notes on Seri by 17: 103.
 - on Acoma 29: 543, 545.
 - on Coahuiltecan family 7: 68.
 - on Gyusiwa 29: 394.
 - on Mexican nahualism 14: 151.
 - on names of savage tribes 25: 276.

Orozco y Berra, Manuel—Continued

- on route of Cortés 25: 244.
- references to 7: 54; 28: 56.
- Orphan Asylum, Cherokee 19: 152.
- Orphans
 - care of 42: 79, 382.
 - term for, in Natchez 42: 93.
- "Orphans," Omaha name for Ponca
 - 27: 41.
- Or'pinp'o, home of Hano clan 19:
 - 614.
- Ortega, —, reference to 28: 54.
- Ortega, Dionisio
 - on Ranchos de San Antonio 29: 312.
 - reference to 29: 307.
- Ortega, José, on Kino's explorations
 - 17: 57.
- Ortega, José, specimen obtained from
 - 44: 91.
- Orthography of Eskimo words 9:
 - 20.
- Ortiz, —, a survivor of Narvaez expedition 14: 348.
- Ortiz, Anton, aid rendered by 17:
 - XLII, 14.
- Ortolis. *See* Hanaqua.
- Oruperi
 - identification of 30: 120.
 - legends concerning 30: 120.
 - See also* Alubiri.
- Orychomys Torridus, eaten by the
 - Pima 26: 80.
- Orytyagh. *See* Widaagh.
- Osage County, Okla., map of 36:
 - 46.
- Osage Indian or Tribe
 - ancient home of 36: 43, 44.
 - and Cherokee, difficulties between 5: 242.
 - and Cherokee, treaty between 5: 222.
 - attitude of, in Civil War 19: 148.
 - bent spear used by 13: 285.
 - birth ceremonies of 27: 116.
 - blood among the Cherokee 19: 234.
 - capture of taíme by 17: 259.
 - ceremony similar to He'dewachi 27: 260.
 - Cherokee relations with 19: 102, 105, 123 *sq.*, 136, 137, 139, 141, 390.

Osage Indian or Tribe—Continued
 child-naming rite of 43: 29-163.
 coloring matter used by the 10: 221.
 custom of adoption among 27: 61 *sq.*, 603.
 description of the 11: 371, 376.
 division of, into two parts 36: 48.
 divisions of the 15: 162; 36: 45; 37: 181; 39: 82, 84.
 early history of the 15: 192.
 early occupancy of Arkansas by the 7: 113.
 early relations with French 27: 81.
 elk rites of the 27: 194.
 fasting among the 40: 546.
 funeral customs of the 27: 358.
 games of the 24:
 dice games 188.
 hoop and pole 516 *sq.*
 shinny 642.
 general account of the 27: 57 *sq.*
 gentile system of the 15: 233.
 Ghost dance among the 14: 902.
 habitat and population of 7: 116, 118.
 half-breed reserves, purchase of 5: 252.
 He'thu'shka society among the 27: 459.
 horse capture among the 15: 174.
 investigation among the 39: 16 *sqq.*
 kindred tribes of the 36: 45.
 kinship groups of the 27: 58-61.
 Kiowa hostility to 17: 165.
 Kiowa name for 17: 300.
 Kwapa incorporated by the 15: 195.
 land cessions and reservations 18: 676, 692, 708, 774, 836, 852 *sqq.*, 856.
 linguistic classification of 27: 605; 36: 45.
 lodges of, description of 13: 271.
 manner of wearing hair 27: 132.
 "mark of honor" among 27: 219 *sqq.*
 massacre of Kiowa by, in 1833 17: 168, 257.
 military and social distinction of, colors used for 10: 633.
 mnemonic chart explained 4: 84 *sqq.*

Osage Indian or Tribe—Continued
 mourning custom of the 10: 519.
 mythic tradition and chart of 10: 351 *sq.*
 myths of the 27: 457, 571.
 name applied to English by 27: 611.
 name of the Comanche 14: 1043.
 name of the Sioux 14: 1057.
 Omaha name for 27: 45, 101.
 organization of the 27: 57 *sq.*, 140; 36: 51, 59; 39: 66, 82.
 origin of the term 15: 168.
 papers on 37: 14 *sq.*; 42: 13 *sq.*, 16.
 party to peace with Cheyenne 27: 73.
 personal names of 27: 64-67.
 population of the 15: 193; 36: 46.
 pottery making by the 20: 58.
 practice of tattooing by the 10: 394.
 preparation of papers on 41: 10 *sq.*, 33, 57, 111.
 present prosperity of the 36: 45.
 refusal of peace invitation by 19: 352, 486 *sq.*
 relation of, to other tribes 27: 35, 37 *sq.*
 removal of, to Indian territory 5: 359.
 revision of names of 42: 14.
 separation of, from Ponca 27: 38.
 settlement of, in Cherokee Strip 19: 151.
 sketch of the 19: 500.
 slaves among Menomini 14: 35.
 specimens collected from the 34: 30.
 stone image used by 13: 116.
 studied by La Flesche 34: 18 *sqq.*
 sugar making by the 20: 33.
 torture of captives by 17: 203.
 traditions among 6: LVI; 27: 38, 40, 47, 62 *sqq.*
 traditions, paper on, by J. O. Dorsey 6: 373-397.
 treaty signed by, in 1837 17: 169 *sq.*
 tribal designation of 4: 165.
 tribal fetishes of 11: 414.
 tribal signs for 1: 472.
 visions among the 27: 132 *sq.*
 visit of, to Washington 34: 28
 war color of the 10: 632.
 war custom of the 17: 259.
 war standard of the 36: 220.
 weaving by the 13: 25.

Osage Indian or Tribe—Continued
 we'toⁿ waaⁿ among the 27: 423.
 work of Francis La Flesche among
 36: 15 sq.

See also names of gentes and other divisions.

Osage Language

dictionary of, compilation of 45: 6.
 present use of 36: 46 sq.

Osage Orange

mention of 33: 76.
 wood of, used for bows 42: 692.

Osage Reservation 36: 44.

Osage Songs and Rituals, phonographic records of 45: 5.

Osage Village Sites, investigation of 41: 64-67.

Osculation. *See* **Kissing**.

Osette land cessions and reservations 18: 946.

Osgood, Miss Kate C.

drawings made by 2: 268.
 reproduced methods of fabrication 3: 400, 406.

Oshawwawno, grant of land to 18: 812.

Oshkosh

agreement of, to land treaty 14: 31.

biographic notes on 14: 46, 47.

family of, of pure blood 14: 35.

genealogy of 14: 46.

genealogy of family of 14: 45.

grave of 14: 240.

importance of family of 14: 45.

meaning of 14: 46.

Menomini chief, reference to 19: 1049.

Osibu. *See* **Morocot**.

Os Kâ'kûmûk Tco'tcikâm, Pima village 26: 22.

Oskashe, Menomini treaty signer 14: 28.

Os Kuk, Pima village 26: 23.

Osmorrhiza Claytoni

medicinal constituents of 44: 304.

medicinal properties of 44: 301.

use of 44: 290, 342, 354.

Osmorrhiza Nuda 45: 480.

Osochi

a Lower Creek Red town 42: 126, 255.

allocation of clans in beds at 42: 201-204.

Osochi—Continued

arrangement of square ground of 42: 231 sq., 281, 282.

clans of, furnishing chiefs and henihas 42: 193, 194.

clans, phratries and moieties of 42: 161.

marriage regulations of 42: 126.

of uncertain connection 42: 248, 249.

position of beds at 42: 199.

Osprey, Fla., researches at 27: 10 sq.

Osprey, name for Tlingit gaming stick 26: 144.

Osprey, Songs of 39: 347.

Ossabaw Island, Ga., pottery from 20: 136.

Ossachile, town and house of 42: 174.

Ossuaries

European 1: 191.

located on mounds 42: 175.

mention of 12: 545.

Ossuary

burial, prevalence of, Potomac-Chesapeake region 20: 150 sq.

use of 42: 700 sq.

Ossum, H., reservation for 18: 756.

Ostermann, Rev. Leopold, acknowledgment to 29: 12.

Ostrya Virginiana

medicinal constituents of 44: 304.

medicinal properties of 44: 301.

use of 44: 291, 340, 346, 362, 377.

O'Sullivan, T. H., Casa Blanca photographed by 16: 80.

Otaopabinê, an Assiniboin division 15: 161.

Otariyatiqui, De Soto's visit to 19: 28.

Otä's-itä'niuw', a Caddo synonym 14: 1092.

Otciapofa

allocation of clans in beds at 42: 201-204.

an Upper Creek White town 42: 123, 254.

arrangement of square ground of 42: 208, 211.

busk ceremonial of 42: 581, 583 sq., 604.

clan councils of 42: 123.

clans of, furnishing chiefs and henihas 42: 192.

Otciaopofa—Continued

- clans, phratries and moieties of 42: 158 *sq.*
- home town of McGillivray 42: 40.
- importance of 42: 251.
- plan of ceremonial ground of 42: 208, 212.
- position of beds at 42: 198.
- square of, described by Swan 42: 183.

Otermin, Governor —, Indians taken to Mexico by 19: xvi.**Otermin, Antonio**

- attempted reconquest of 17: 584.
- flight of, to El Paso 14: 660.

Otgon, definition of 21: 339.**Othomi**

- formation of number words in 19: 879.
- method of forming numbers above ten 19: 873, 909, 931.

Otis, F. M., paper on Panama ornaments by, mention of 6: 46.**Otis, Dr. George A.**

- mention of 46: 150, 151, 162, 218, 232-237, 258.
- on burial case 1: 162.

Otkon, meaning of the term 43: 608 *sq.***Oto Tribe**

- a Lwiwe're division 15: 162.
- and Missouri Indians, inhumation of 1: 96 *sqq.*
- and Missouri population 7: 118.
- arrows of the 13: 287.
- condition of Ghost dance among 14: 927.
- dress of members of Shell society 27: 519.
- drum in the Hoⁿ'hewachi ceremony 27: 501.
- early habitat of the 15: 195.
- early relations with French 27: 81.
- games of the 24:
 - archery 394.
 - racket 615.
- gentes of the 15: 240.
- Ghost dance among the 14: 902.
- Hethu'shka society among the 27: 459.
- Kwapa incorporated by the 15: 195.

Oto Tribe—Continued

- land cessions and reservations 18: 726, 750, 762, 798, 858, 886, 894, 904.
 - legendary origin of the 37: 51.
 - moccasins in birth ceremonies 27: 117.
 - name applied to English by 27: 611.
 - name of the Comanche 14: 1043.
 - name of the Sioux 14: 1057.
 - Omaha name for 27: 102.
 - party to treaties 27: 73, 74, 623.
 - population of the 15: 195.
 - reference to 27: 43.
 - settlement of, on Cherokee Strip 19: 151.
 - war with Omaha 27: 87.
- Otoch**, meaning of 16: 247.
- Otoe**
- beliefs among the 11: 439.
 - habitat of the 7: 116.
 - removal of, to Indian territory 5: 364.
- Otomac Indian**
- belief of, in paradise 30: 161.
 - belief of, in petrification of body 30: 152.
 - burial customs of the 30: 145 *sq.*, 254.
 - eclipses among the 30: 258.
 - legendary origin of the 30: 145.
- Otondo y Antillon, Indro**
- expedition of 17: 57.
 - mountain named by 17: 63.
- Otopachgnato**, an Assiniboin division 15: 161.
- Otowi Canyon**, ancient mounds of 26: xx.
- Ottala** 46: 205.
- Ottawa, Ontario**
- earthen pot from 20: 170.
 - pictographs 4: 203, 217 *sq.*, 220.
- Ottawa Indian or Tribe.**
- and Potawatomi intermarriage 14: 44.
 - and Potawatomi, pictographic notices by 10: 350.
 - at Braddock's defeat 14: 16.
 - enslavement of captives by the 14: 35.
 - games of the 24:
 - dice games 82.
 - hidden ball 344 *sq.*

Ottawa Indian or Tribe—Continued

- habitat of the 28: 290.
- instruments used by, for birch-bark pictographs 10: 218.
- land cessions and reservations 18: 648, 650, 654 *sqq.*, 666 *sqq.*, 674 *sqq.*, 680 *sqq.*, 684-688, 690, 700, 702 *sqq.*, 710 *sqq.*, 722 *sqq.*, 734, 748, 750, 756 *sqq.*, 778, 810, 812, 816, 826, 830, 842 *sqq.*, 858, 870, 886.
- linguistic investigation among 28: 225.
- noted as traders 42: 740.
- origin of tribe, meaning of name 19: 1039.
- original totem of the 14: 44.
- pictograph by the 10: 529 *sq.*
- population of the 7: 50.
- population of the, in 1822 19: 1108, 1110.
- reference to 30: 20.
- sleight of hand of 14: 105.
- store wild rice in mococks 19: 1072.
- study of the 15: xxvi, lxxiii.
- thrash wild rice 19: 1059.
- tie wild rice 19: 1068.
- tribal history, migrations, and settlement of 19: 1055.
- union of, with Potawatomi 18: 779.
- wild rice gathered by 19: 1063.
- wild rice moon of 19: 1089.

Ottawa Language

- description of 28: 261 *sq.*, 265-269.
- examples in comparison with 28:
 - Algonkin 233, 245, 250, 251, 252, 259, 260, 262, 271.
 - Cheyenne 233.
 - Cree 245, 250, 251, 252, 261, 262.
 - Cree-Montagnais 259.
 - Delaware 261.
 - Fox 248, 259, 261, 262.
 - Kickapoo 248, 259.
 - Menomini 245, 250, 251, 252, 259, 261, 262.
 - Montagnais 248.
 - Natick 250, 251, 271.
 - Ojibwa 233, 245, 250, 251, 252, 259, 261, 262, 271.
 - Peoria 250, 251, 252, 260, 261, 262, 271.

Ottawa Language—Continued

- examples in comparison with 28—continued
 - Potawatomi 259, 262, 271.
 - Sauk 248, 259.
 - Shawnee 251, 259, 261, 262, 271.
 - pronunciation of 28: 228.
 - relationships of 28: 233, 238, 289, 290a.
 - subjunctive mode in 28: 246, 260.
- Ottawa University**, land sold to 18: 858.

Otter

- a life symbol 36: 99.
 - a man-being in Iroquoian cosmology 21: 174, 180, 287, 315.
 - carvings of the 2: 125.
 - illness caused by 42: 644.
 - mention of 38: § 171.
 - quarry of, stolen by Indians 38: § 185.
 - special connection of, with woman 27: 512.
- See also Otters.*

Otter Clan

- association of 42: 148.
- native names for 42: 116.

Otter River, Saponi on 42: 777.**Otter-tail Chippewa**, land cessions and reservations by 18: 936.**Otter Totem**, representations of 18: 324.**Otter who Married a Princess**, tale of the 31: 166, 747, 750.**Otters**

- Eskimo method of trapping 18: 123, 125.
 - Eskimo use of, as unit of value 18: 232.
 - in Menomini myth 14: 91, 134, 190.
 - in Pueblo religion 14: 518.
 - myths concerning 11: 330; 19: 266 *sqq.*, 449.
 - sea, Eskimo mythic animal based on 18: 443.
 - smoked out of dens 31: 402.
 - value of, among Eskimo 18: 229.
- See also Otter.*

O'tu'gũnũ, a Cheyenne division 14: 1026.**Otusson's Village**, reservation at 18: 698.**Ouabé**. *See Tairou.***Ouachtenons**. *See Wea.*

- Oualla-Oualla**, a Wallawalla synonym 14: 740.
- Ouasito Pass**, trails to 42: 779, 783, 792.
- Ouatanon**
cession to United States of land at 18: 654.
relinquishment by United States of land at 18: 678.
- Ouayana Indians**, beliefs of 30: 363.
- Ouayegue**. *See* Waiwai.
- Ouboutou**, Carib chief of a nation 38: § 741.
- Ouichram**, a Tlaqluit synonym 14: 740.
- Ouitoto**. *See* Maku.
- Ouray**
burial of 1: 128.
head chief of the Ute 1: 315, 328.
successor to Kanats 17: 325.
- Ouroctenon**. *See* Ouatanon.
- Ousamequin**. *See* Massasoit.
- Ouspie**, identified as Ofogoula 28: 12.
- Ousta**
Kasihta chief 42: 34.
name interpreted 42: 34.
- Outdoor Festival**, Zuñi 23: 520.
- Outhouses** 38: § 297.
- Outlawry**
among the Seri 17: 273*.
Wyandot institution of 1: 67.
- Outlaws**, class of 42: 357.
- Outlooks**
on restricted areas 16: 149.
or farming shelters, discussion of 16: 142.
- Oval-base Baskets** 38: § 416-421.
- Oval Mounds**, distribution of 37: 78.
- Ovando**, companion of Las Casas 25: 19.
- Ovando, Francisco de**
companion of Coronado 14: 477.
treatment of, by Indians 14: 522.
See also Obando.
- Oven**
in cavate lodges 13: 226.
of the Kwakiutl 35: 444, 519, 520, 521, 587-591.
surface imbedded with pottery scales 8: 139.
See also Ovens.
- Ovenlike Structures**
described and figured 8: 167.
in cliff ruins 16: 127.
- Ovens**
at Pescado 8: 95.
baking, Guiana Indian 38: § 361-363.
in Zuñi 8: 164 *sq.*
not an aboriginal feature 16: 128.
Pueblo, description of 22, i: 128, 139.
upon roofs 8: 151.
various kinds of, description of 8: 162-166.
See also Oven.
- Overcasting** 38: § 43, 44.
- Overhill Towns**, treaty with "State of Franklin" by 19: 64.
- Overland Mail**, abandonment of stations by 17: 177.
- Overseer of the Village**
rite of 36: 146-151.
wi'-gi-e of 36: 147-150.
- Oviedo y Valdez, Gonzalo Fernánde**
dez de
as a historian 25: 19 *sq.*
biographical sketch of 25: 23.
incorporation of Ranjel's report in history by 19: 191.
objects figured by 25: 63, 210, 212.
on Aguebana the First 25: 36.
on Antillean mortuary customs 25: 70, 72, 83.
on Antillean religion 25: 129.
on cannibalism of Borinqueños 25: 50.
on Carib in Porto Rico 25: 25.
on ceremonies in dance plazas 25: 84.
on Corazones 14: 484.
on culture of Haitians and Borinqueños 25: 27.
on De Soto's expedition 19: 25, 26.
on early Porto Ricans 25: 170.
on game of batey 25: 84, 85.
on houses of Haitians 25: 41, 42 *sq.*
on Indian clothing 14: 515.
on Juan Gonzales 25: 37.
on polygamy among Borinqueños 25: 48.
on Porto Rican stone balls 25: 110.
on punishment of theft among Antilleans 25: 31.

- Oviedo y Valdez, Gonzalo Fernán-**
dez de—Continued
 on racial affinities of Borinquenos
 25: 27.
 on Spanish troubles in Porto Rico
 25: 23, 36, 38 sq.
- Ovis Nelsoni**, account of 26: 82.
- Owa**
 description of 21: 82.
 representation of, by Telavai 21: 81.
- Owa Kacina**, appearance of, in
 Powamû festival 21: 39.
- Owa Kacina Mana**, derivation of
 21: 126.
- Owa Kacina Taka**, derivation of
 21: 126.
- Owakûl Mana**, derivation of 21: 125.
- Owakûl Tiyo**, derivation of 21: 125.
- Owakûlti**
 description of 21: 23, 58.
 difference of, from Butterfly festival
 21: 58.
 duration of 21: 20.
 fraternities taking part in 21: 23.
 introduction of, from Awatobi 21:
 58.
 resemblance of, to Lalakoñti 21: 58.
- Owakûlti Altar**, study of 19: XLVIII,
 1 sqq.
- Owakûltû Fraternity**, ceremonies cel-
 ebrated by 21: 23.
- Owakûltû Society**, dance of, in
 Palûlûkoñti 21: 50.
- Owaneco**, sale of land by 18: 617.
- Owänoqnio**, genealogy of 14: 58.
- Owanozrozro**
 appearance of, in Powamû festival
 21: 36.
 description of 21: 88, 89.
- Owatamka River**, mention of 42: 37.
- Owen, —**, on Fort Mims massacre
 19: 216.
- Owen, Colonel —**, at battle of Prophet's
 Town 14: 689.
- Owen, Charles L.**
 acknowledgment to 24: 29.
 ancient Hopi graves excavated by
 24: 425.
 material collected by 24: 90, 91,
 164.
 on archery game, Hopi 24: 290.
 on dice game, Apache 24: 91.
 on gaming hoops, White Mountain
 Apache 24: 430.
- Owen, Rev. James M.**, assistance
 rendered by 44: 406.
- Owen, L. C.**, cited on Eskimo whale
 fishing 9: 276.
- Owen, M. A.**, reference to 40: 501,
 546.
- Owens, John G.**
 acknowledgment to 17: 646.
 on archery game, Zuñi 24: 396.
 on ball race, Zuñi 24: 686-689,
 697.
 on dice games, Zuñi 24: 212, 221.
 on Hopi dress 14: 517.
 on Hopi mealing troughs 14: 522.
 on quoits, Zuñi 24: 762.
 on shuttlecock, Zuñi 24: 720.
- Owen's River** land cessions and reser-
 vations 18: 814, 860, 864 sqq.,
 892.
- Owen's Valley, Calif.**
 petroglyphs in 10: 56-60.
 pictographs in 4: 31; 6: XLII.
- Owl**
 a prophetic bird 42: 496.
 beliefs concerning 41: 542.
 carvings of the 2: 144.
 disease caused by 26: 263.
 feathers, significance of 42: 619.
 feathers, use of, in Hako ceremony
 22, ii: 20.
 fetish, Zuñi 2: 30.
 flying overhead causes death 31:
 452.
 hoot used by Tlingit clan 26: 417.
 in Menomini myth 14: 91, 173, 200.
 in Pima mythology 26: 223, 388 sq.
 in Pima religion 26: 252.
 in Pima song 26: 279, 311, 315, 321.
 in Ponca legend 27: 47.
 in pottery 41: 541 sq.
 issues from bursted head of man
 32: 205.
 Kiowa regard for 17: 345.
 man converted into 32: 326.
 mask of, used by Tlingit 26: 436.
 medicine-men watched by 44: 326.
 myths and lore concerning 19:
 241, 281, 284, 291 sq., 454, 456,
 495 sq.
 representations of 20:
 Gulf Coast pottery 106 sq.
 Iroquoian pottery 174.
 Middle Mississippi Valley pottery
 92, 95, 96.

- Owl**—Continued
 source of Tlingit personal names 26: 422.
 special connection of, with woman 27: 512.
 story concerning 42: 489; 43: 361.
 symbolism of 22, ii: 21, 40, 176.
 taming of 38: § 724.
 the legend of 19: 365.
See also Bird; Horned Owl; Mon-wû; Owls; Screech Owl; Susanna Owl.
- Owl Clan**, Hitchcock authority for 42: 119.
- Owl Ear**
 calendar record obtained from 26: 18.
 on battle at the "Tanks" 26: 54.
 on death of Cyrus Lennan 26: 50.
 on earthquake of 1887 26: 60.
 on white man's suspiciousness 26: 51.
- Owl Girl**, Eskimo legend of 18: 499.
- Owl, Gray, Songs of the** 39: 227.
- Owls**
 beliefs concerning 11: 273, 500, 510.
 how regarded 15: 171.
 legends concerning 30: 212, 276.
 origin of 30: 266.
 portents of 30: 274.
 souls of common people become 35: 727.
See also Owl; and references.
- Owsley, Dr. W. J.**, on cist graves 1: 114.
- Oxalidaceae** 33: 98.
- Ox-eye**, use of 44: 289, 364.
- Oxiailles**. *See* Okchai.
- Oxitipar**, district of, in New Spain 14: 472.
- Oxycoccus Macrocarpus**, use of 44: 291, 307, 321.
- Oxytropis Campestris Spicata** 45: 504.
- Oxytropis Monticola** 45: 473.
- Oxytropis sp.** 45: 468.
- Oyambi Indians**
 food of 30: 381.
 ordeals of 30: 338 sq.
 sickness among 30: 350.
- Oyata'ge'ronoñ'**
 meaning of the term 19: 16, 183, 351.
See also Synonymy.
- Oyawakashi**, barbed composite arrow 38: § 139.
- Oyhut**, population of 7: 105.
- Oyster**
 place of, in Seri dietary 17: 195*.
 shells used as utensils 2: 191.
- Ozark Mountains**, reference to 27: 57.
- Ozark Region**, work in 40: 15 sq.
- Ozmun, Edward N.**, reception given by, to International Congress of Americanists 26: xi.
- Ozomalti** day symbol, discussion of 16: 241.
- P**
- Paapkuk** 46: 203.
- Päböte**, death of 17: 346.
- Pacasas**, Ternaux's name for Pacaxes 14: 514.
- Pacaxes**, an Indian tribe of Culiacan 14: 514.
- Pacer**
 death of 17: 252.
 delegate to Washington in 1872 17: 192, 252.
- Pacez**, definition of 16: 247.
- Pachacamac**, trephined crania from 16: 13, 14.
- Pachah**, definition of 16: 247.
- Pachistima Myrsinites** 45: 468, 515.
- Pachydesma Shells**
 in manufacture of beads 2: 226.
 in manufacture of ornaments 2: 261.
 in manufacture of pendants 2: 209.
 use of, as utensils 2: 190.
- Pacific Coast**
 forms of pipes of 20: 45.
 tattooing on the 10: 396-407.
See also California; etc.
- Pacific Coast Indians** 24: 227, 273.
- Pacific Dogwood**, use of 45: 461.
- Pacific Islands**, tattooing in the 4: 73-77.
- Pacific Slope**
 differ from those of the Atlantic 12: 724.
 types of, resemble those of the Pacific islands 12: 724, 726.

Paciⁿ-naⁿ Paji, acknowledgment to 11: 362.

Pa-çiu'-gthin, a division of the Osage 36: 45.

Pack, Sacred. *See Sacred Pack.*

Packard, A. S.

mention of 46: 371.

on Labrador Eskimo population 7: 75.

Packs of War, Sacred

account of 27: 404-408.

account of, Ponca 27: 439 *sqq.*

authority for war parties 27: 415, 416.

part in dispatching scouts 27: 424.

part in Wate'giçtu ceremony 27: 434-437.

See also Waiⁿ'waxube.

Pacoc, meaning of 16: 247.

Pacu

caught in dams 38: § 202.

caught with bow and arrow 38: § 190.

caught with poison 38: § 210.

ground bait for 38: § 188.

mention of 38: § 250.

Padanka Dance of the Omaha 3: 353.

Paddle Guards, Eskimo 18: 226 *sqq.*

Paddle, Pole 38: § 799.

Paddle-shaped Stones 25: 93 *sq.*, 261 *sq.*

Paddle-type Clubs 38: § 152.

Paddle Wood. *See Aspidospermum.*

Paddles

carved, Cherokee 20: 78, 80, 133.

designs on, resemblance of, to West Indian designs 20: 112, 134 *sq.*

designs on, South Appalachian province 20: 134.

for Eskimo kaiaks 9: 331-335.

imitation of textile markings by 20: 80.

made by the Menomini 14: 294.

of the Eskimo 18: 167, 216 *sq.*, 223-226.

of the Nenenot 11: 306.

ornaments 4: 78.

pottery, Casa Grande 28: 146 *sq.*

pottery decorated by 20:

Apalachee-Ohio province 180.

Eastern United States 78.

Paddles—Continued

pottery decorated by 20—contd.

Florida Peninsula 118, 122 *sq.*, 124, 127, 128.

Gulf Coast 108, 109, 110, 111.

Iroquoian province 164.

Lower Mississippi Valley province 103.

Middle Atlantic province 148, 149, 156.

New Jersey-New England province 176, 177 *sq.*

northward extension of 145, 148.

Northwestern province 198.

South Appalachian province 130, 131 *sq.*, 133-138, 140, 143 *sq.*

South Appalachian province, mingling of, with other varieties 144.

South Appalachian province, range of 135.

probable origin of 20: 135.

textile wrapped 20:

Cherokee 73.

function of 154.

textile wrapped, pottery decorated by 20:

eastern United States 71, 72.

Iroquoian province 161, 163.

Middle Atlantic province 148, 153, 154, 155.

New Jersey-New England province 177, 179.

Northwestern province 188, 189, 194, 196, 198, 199.

Ohio Valley province 185.

South Appalachian province 144.

textile wrapped 20:

resemblance of impressions of, to basket impressions 71.

use of, in modeling and finishing, eastern United States 36, 51, 65, 68, 73, 148.

use of, in modeling and decorating, eastern United States 20: 36, 51, 52, 65, 66, 80, 133-136.

value of, in manufacture 20: 135 *sq.*

See also Stamps.

Paddling, teaching of, to men 30: 221.

Paddock, L. A.

on Potawatomi eating wild rice 19: 1083.

- Paddock, L. A.**—Continued
on Potawatomi thrashing wild rice 19: 1070.
on wild rice in Grass Lake, Illinois 19: 1026.
on wild rice in Illinois 19: 1029.
- Paddy Cap's Band** of Paiute, executive order affecting 18: 920.
- Padilla, José Thomas**, a scalp taker 47: 260.
- Padilla, Juan de**
accompanies Alvarado 14: 391.
an early southwestern missionary 13: 326.
journey of, to Quivira 14: 571, 579, 592.
leader of friars with Coronado 14: 400.
remains in Quivira 14: 529, 534.
report of discoveries by 14: 594.
visit of, to Tusayan 14: 488; 17: 596.
Zuñi ruins visited by 13: 344.
- Padlimiut Eskimo Tribe**, situation of 6: 440 *sqq.*
- Padlock Stones** 25: 263.
- Padouca**
application of the name 14: 1043, 1044.
meetings with Ponca 27: 79 *sq.*
party to peace treaty 27: 81.
reference to 27: 49.
village on Dismal River 27: 88.
See also Comanche.
- Pads**, Zuñi head 2: 369.
- Paducah**, pottery from 4: 426.
- Padus Melanocarpa** 33: 89.
- Padus Nana** 33: 88.
- Paederastia**
among the Omahas 3: 365.
See also Schoopanism; Sodomy.
- Paez, Juan**, report of Cabrillo's voyage by 14: 411.
- Pägänävo**, Shoshoni and Comanche name of the Cheyenne 14: 1023.
- Pä'gatsû**, a Comanche band 14: 1045.
- Page, Professor** —, on Grave Creek tablet 12: 632.
- Paget, John**, mention of 34: 80.
- Pa-guadal**, native name of Red Buffalo 14: 1083.
- Pá-guñhénte**
death of 17: 323.
in expedition against Navaho 17: 323.
- Pah Utes**, a synonym of Paiute 14: 1048.
- Pah Vant Uta**, establishment of reserve for 18: 825.
- Paha'na**, Hopi name of the whites 14: 978.
- Paho**, *prayer stick*
at Mishongnovi Cakwaleña altar 19: 992.
at Walpi Snake altar 19: 983.
See also Pahos; Prayer Stick.
- Pahos**
definition of 15: 261.
in Hopi ceremonies 15: 261, 267.
reference to 14: 573.
season for making 15: 258.
See also Paho; Prayer Stick.
- Pahosa Clan**, associations of 42: 148.
- Pahu'tho'datho'**, location of 27: 100.
- Pahvant** confounded with Paiute 14: 1048.
- Pai Ute.** *See Paiute.*
- Paiakyamû or Paiakyamu**
appearance of, in dramatization of growth of corn 21: 93.
appearance of, in Hopi festivals 21: 24.
appearance of, in pictures of Nakopan hoyá 21: 117.
association of, with Kaisale mana 21: 120.
figures on Hopi pottery 17: 659.
- Pail-shaped Baskets**, decoration of 41: 228.
- Paimut**
ceremonial objects from 18: 403.
conditions observed by E. W. Nelson at 18: 248.
implements and utensils from 18: 67 *sq.*, 82, 143, 180, 192.
legends from 18: 483 *sqq.*
people of 18: 26.
tobacco implements from 18: 285.
visited by E. W. Nelson 18: 19.
- Paimute (Paimiut)** 46: 66, 129, 132, 134.
- Pain, B. H.** 46: 306, 308.
- Pain**
development of 19: LIX *sq.*, LXVI *sqq.*, XCII.
mention of 46: 230, 231.
origin of 32: 179.

Pá-iñgya or Pa-iñgya

- a Kiowa prophet 14: 1083.
- account of 17: 220, 350, 356.
- reputed powers of 14: 906, 907.

Paint

- black 35: 58, 94 *sq.*
- black body 38: § 30.
- blue, origin of 22, ii: 46.
- blue, symbolism of 22, ii: 233.
- blue, use of, in Hako ceremony 22, ii: 37, 42.
- color of, indicative of gens 40: 358.
- found in graves in Sikyatki 14: 519.
- grinding of 23: 221.
- how regarded by Cheyenne and Arapaho 14: 779.
- in Cherokee myth 19: 290, 320.
- Kiowa method of mixing 41: 596 *sq.*
- mixed with salmon spawn 35: 236.
- mortars from Pueblo ruins 22, i: 104, 184, 185.
- mortuary use of 14: 879.
- obtained from Wovoka 14: 775, 778.
- of Tusayan Indians 15: 275, 301.
- on Ghost shirts 14: 790.
- presented by Wovoka 14: 797, 900, 901.
- red, symbolic use of 43: 67.
- red, symbolism of 22, ii: 228, 353.
- red, use of, in Hako ceremony 22, ii: 26.
- sacred origin of 14: 91.
- use of, by Arapaho 14: 971.
- use of, by Cheyenne 14: 1029.
- use of, by Indians 19: 455, 469.
- use of, by Pima 26: 104.
- use of, by Tlingit 26: 455, 464.
- use of, in Ghost dance 14: 798, 814, 821, 823, 919, 922, 997, 1098.
- See also* Decoration; Dyes; Painting; Paints; Pigments; Resin.
- Paint Boxes**, Eskimo 18: 199 *sqq.*
- Paint Clan** of the Cherokee 42: 118.
- Paint Creek**, trail up 42: 767.
- Paint Cups**
 - made of clay, from Zuñi 2: 362.
 - made of shark vertebra 44: 136.
 - made of shells 44: 137.
 - natural concretions used as 41: 596.
- Paint Grinders**, Casa Grande 28: 126 *sq.*

Paint Jars, collection of Indian 3: 573.

Paint Lick Mountain, Va. 4: 33.

Paint Medicine

- made of Water-Spirit bones 37: 473.
- use of 37: 475.

Paint Mortars, cupped stones used as 13: 93.

Paint Pots, collection of Indian 3: 570-573.

Paint Rock, N. C., petroglyphs on 10: 99 *sqq.*

Paint Rock Ferry, collection from 3: 461.

Paint Sticks

- mention of 11: 297.
- use of, among Northern Indians 11: 296.
- use of, in workshop 11: 438.

Paint Stones, description of 13: 94, 115.

Paint Town, purchase of 19: 161.

Painted Boards

- Bonasila, Ghost Creek 46: 63.
- of burial boxes, Auk Point 46: 33, 64.
- Unalaklik 46: 64.

Painted Caves, Crockett County, Texas 10: 116.

Painted Cup, use of 44: 288, 362.

Painted House

- archeological work on 41: 6, 27 *sq.*
- excavation and repair of 37: 7.

Painted Kiva House, partial excavation of 41: 29 *sq.*

Painted Lips. *See* Típinävón.

Painted Pottery 4: 282, 302-307, 434.

Painted Rock, Indian personal name 10: 35.

Painted Rocks 38: § 782.

Painting

- adornment in Shell society 27: 522 *sq.*
- among the Eskimo 9: 390 *sqq.*
- among the Flathead 45: 326 *sq.*
- among the Kwakiutl 35: 58, 343.
- among the Pima 26: 160 *sq.*, 163 *sq.*
- among the Pueblo Indians 14: 558.
- body, by Guiana Indians 38: § 512, 513.
- body, by Siouan Indians 15: 176.
- body, by Siouan tribes 15: 169.

Painting—Continued

body, in Oraibi dance 16: 292, 293, 294.

ceremonial, of body 40: 225

ceremonial, of face 40: 213.

colors used in 45: 338, 340.

corpse 38: § 831, 833, 855, 860, 864.

decoration of horses 27: 352 sq.

effect of blemish on 23: 507.

Eskimo, examples of 18: 67 sq., 70, 79, 88, 94-97, 99, 100, 139, 167, 168, 170, 185, 188, 197, 199, 200, 201, 211, 224, 273, 274, 277, 315 sq., 396-415, 449.

facial 43: 95.

facial and body 42: 686.

facial and body, object of 45: 420.

for winter ceremonial 35: 1165.

Hopi skill in 21: 13, 15.

in Arapaho ceremonies 9: 583.

in Pebble society 27: 565 sq.

in Wa'wa ceremony 27: 397.

Katcina, Hopi fears about 21: 14.

manner of 4: 48; 45: 418.

of face in Eskimo 9: 140.

of face and body 45: 86 sqq.; 47: 869 sq.

of the hair 45: 86.

of twins and their parents 35: 679.

of wolf 35: 811.

on clothing 45: 79 sq., 338; 46: 421, 586.

on the human body 10: 618 sq.

paintbrushes 27: 239, 354.

pottery 38: § 94.

post mortem 11: 144.

references to 27: 350, 615 sq.

sand, among the Sia 11: 77, 102.

symbolic, ceremonies of 39: 69-73.

symbolic, instruction in 36: 140.

symbolic, of robe 39: 194.

symbolic, of the face 39: 192 sq., 243.

symbolic, of the Xo'-ka 39: 251.

upon robes or skins 10: 219.

visitors 38: § 809.

See also Body Painting; Color Decoration; Decoration; Design; Facial Decoration; Facial Painting; Rock Paintings; Sand Picture.

Painting Ceremony

songs of 36: 244 sqq.

Painting Ceremony—Continued

symbolism of 36: 243.

wi'-gi-e of 36: 242-248.

Painting Ritual 45: 704 sq.

Painting Wi'-gi-e 39: 74 sqq.

Paintings

appearance of, in Powamû festival in 1900 21: 81.

of clan symbols 42: 235 sq.

of killerwhale 35: 813, 817.

of sun 35: 807.

of whale 35: 811, 813, 816.

on house of numayms 35: 805-820.

on kiva walls 8: 131.

Paints

and dyes, use of 46: 591.

ceremonial grinding of 47: 859.

composition of 45: 43.

Eskimo 18: 196, 198.

for prayer sticks 47: 645.

for the body 47: 860 sqq.

for the masks 47: 859 sq.

found in Burton Mound 44: 102 sq.

manufacture of 47: 131.

obtained from cave 45: 340.

of the Okanagon 45: 218.

plants used in making 45: 500 sqq.

specimens of, from Pueblo ruins 22, i: 96, 184.

used in decorating eastern United States pottery 20: 86.

See also Clay; Colors; Ocher; Paint; Pigments; etc.

Paí-tälyí. *See* Sun-Boy.

Paiute, of California

attempt at suicide 4: 132.

Cohonimo knowledge of Ghost dance from 14: 812.

Datura used by the 30: 47.

gambling song of the 14: 1009.

games of the 24:

ball juggling 713.

dice games 166 sqq.

double ball 647, 662.

football 698, 704.

four-stick game 327, 333 sqq.

hand game 311 sq.

hoop and pole 421, 498 sq.

ring and pin 528, 529, 553 sq.

tops 333.

Ghost dance among the 14: 654, 784, 802, 806, 926, 927.

Ghost dance introduced among Walapai by 14: 814.

Paiute, of California—Continued

- Ghost dance studied 13: xxxii.
 glossary of the 12: 1056.
 Hopi disguised as 15: 275.
 in Owens Valley, Calif. 10: 60.
 land cessions and reservations 18:
 832, 854, 858, 862, 870, 872, 878,
 880, 882, 884, 920.
 method of conversation 14: 770.
 method of living 14: 770.
 name of Ghost dance 14: 791.
 name of the whites 14: 978.
 Navaho taught about Messiah by
 14: 811.
 notion of, concerning eclipse 14:
 773.
 number names of the 19: 869, 876.
 on Klamath reserve 14: 805.
 on Warmspring reserve 14: 805.
 pictographs of the 4: 61, 158.
 population of the 7: 110; 14:
 1050.
 porcupine among the 14: 794.
 reception of, into Mormon church
 14: 790.
 sketch of the 14: 1048.
 songs of the 14: 1052.
 southern, number names of the 19:
 869, 876.
 stone arrow-points of the 14: 282.
 synonym of the 14: 1048.
 Tavibo among the 14: 701.
 topographic illustration by the 10:
 342, 343.
 vocabulary of, obtained 23: xiv.
See also Wovoka.
- Pai-ute Creek**, pictographs on 4: 33.
Paiwa; Paiwari, drink 38: § 257.
Paiyatuma of Zuñi mythology 13:
 432, 439, 446.
Pai-yuchimŭ, Hopi name of the
 Paiute 14: 1048.
Pai-yutsi, Navaho name of the Paiute
 14: 1048.
Pajarito Plateau District, researches
 in 26: xx.
Pajeken, Clemens A., notes on Seri
 by 17: 100 sq.
Pak, meaning of 16: 247, 262.
Pakaa 33: 296, 650.
Pakab Clan
 ceremony of 21: 25, 26.
 Hopi katchinas derived from 21:
 125.

Pakab Clan—Continued

- introduction of Owakŭlti by 21:
 58.
 introduction of Tcanaŭ into Walpi by
 21: 54.
 migrations and census of 19: 608
 sq.
 serpent effigies kept in house of 21:
 51.
 Tcanaŭ introduced into Tusayan by
 21: 91.
- Pakab Groups**, component clans of
 19: 584.
- Pakab Reed Clan**, advent of, at Walpi
 19: 585.
- Pakamali**, California tribe 24: 333.
- Pa'kamallia**, a Pit River band 14:
 1052.
- Pakan Tallahassee**
 allocation of clans in beds at 42:
 201-204.
 an Upper Creek White town 42:
 254.
 arrangement of square grounds at
 42: 212, 224, 225.
 busk name of 42: 614.
 clan councils of 42: 124.
 clans of, furnishing chiefs and henihas
 42: 192, 194.
 clans, phratries and moieties of 42:
 158 sq.
 plan of ceremonial ground of 42:
 212, 226.
 position of beds at 42: 198.
 seating of the miko of 42: 285 sq.
 teokofa at 42: 180 sq.
- Pakaruma Basket** 38: § 417, 453.
- Pakashi-izini Ruin** in Del Muerto
 16: 98.
- Pakatcomo**
 pueblo of Patki clan 19: 626.
 site of old Patki pueblo 16: 597.
See also Patki Clan.
- Pakawá Tribe**, habitat of the 7: 68.
- Pák'iaġo**, Kiowa name of Sarsi 17:
 160, 330.
- Pakí-gudălkantă**, Kiowa name of the
 Brulé 17: 160.
- Pakiokwik**, description of 21: 113,
 114.
- Pa'kiut**, Smohalla services at 14:
 727.
- Pa'kiut-'lě'ma**, a Yă'kima synonym
 14: 737.

- Pa-kónkya**, stealing of Guibadá's wife
by 17: 337.
- Pakui** 33: 635.
- Pakwabi**, description of 21: 108.
- Pal**, signification of 16: 253.
- Pala**, lanceolate composite-head arrow
38: § 137.
- Pala Reserve**, establishment of 18:
884.
- Pala Valley Indians**. *See* **Mission
Indians**.
- Palabikuña**, description of 21: 115.
- Palahiko Mana**
derivation of 21: 125.
description of 21: 118, 119.
personations of, in Hopi festivals
21: 55.
similarity of mask of, to that of Hopi
Calako mana 21: 119.
- Palaihnihan Family** 7: 97, 98.
- Palaihnihan Language**, work on
11: XXIX.
- Palakwayo**
description of 21: 77.
personation of, in Powamû 21: 32.
- Paläni**, Dakota name for Arikara 17:
158.
- Palate**. *See* **Dental Arch**.
- Palatka, Fla.**, finding of fiber-tem-
pered ware at 20: 122.
- Palatki**
art remains found at 17: 569.
description of 28: 195 *sqq.*
population of 17: 567.
ruins described 17: 553-558.
ruins discovered 17: 534, 551.
- Palatkwabi (Palátkwabi)**, *Southern
Arizona*
a Hopi stopping place 13: 189.
a traditional land of the Hopi 17:
529, 531, 568, 672.
clans from 19: 594-603.
Hopi clans from 19: 582 *sq.*
mythic original home of Patki clans
19: 597.
references to 28: 35, 142.
religious societies from 19: 626-
630.
religious societies from, at Walpi
19: 623.
the pristine habitat of the Squash
and Sun people of Tusayan 8:
25, 29.
- Palenque**
bas-reliefs at 19: 672.
inscriptions at 19: 732-775.
inscriptions at, initial series of 19:
800 *sq.*
inscriptions at, significance of ter-
minal dates on 22, i: 290-299.
statues of 1: 207, 224, 227 *sqq.*, 245.
- Palenque Tablet**
ahau symbol on 16: 263.
chuen symbol on 16: 241.
day symbol on 16: 207.
ik symbol on 16: 215.
kan symbol on 16: 226.
lamat symbol on 16: 235.
mention of 3: 63.
- Paleographic Objects** 12: 28.
- Paleography**. *See* **Decoration**.
- Paleolithic Class** of artifacts, discus-
sion of 17: 252*.
- Paleolithic Forms**. *See* **Rejects**.
- Paleolithic Implements** and quarry
rejects, comparison of 15: 30.
- Paleolithic Man**
in Potomac Valley 15: 15.
of Europe and the Eskimo 46: 175,
337, 347.
- Paleolithic Period** in Europe 15: 15.
- Palestine**, cup sculptures in 10: 198.
- Palila** 33: 639.
- Palino Drink** 38: § 261
- Palisades**
construction 41: 550.
disappearance of traces of 41: 549.
of the Creek Indians 42: 705 *sq.*
of the Guiana Indians 38: § 291.
See also **Walled Towns**.
- Paliuli** 33: 304-307, 634, 643, 645,
646.
- Palladia**
almost unknown to the Creeks 42:
503.
discussion of 42: 503-510.
- Palle, José**, mention of 23: 20.
- Palm**
edible 38: § 247.
string figure of 38: § 646-648, 690,
694.
- Palma Christi, Oil of**. *See* **Copaifera**.
- Palmer**, — treaties concluded by 18:
813.
- Palmer, Agent** —, report of, on Sioux
excitement 14: 848.

Palmer, Dr. Edward

- appointment of, as assistant 12: 19.
 believes the large mound at Silver-
 town to be a natural formation
 12: 265.
 cited 30: 47, 49, 51, 67.
 collection of Indian relics by 3: 433-
 439.
 collections by 2: 303; 19: xxix.
 explorations of 5: xx, xxii.
 material collected by 24: 90, 94,
 149, 150, 169, 200, 205, 206, 324,
 326, 429, 489, 499, 524, 554, 555,
 560, 570, 602, 623, 631, 645, 671,
 681, 682, 744.
 notices remains of mound-builders'
 houses 12: 663.
 on ball race, Cocopa 24: 681.
 on ball race, Mohave 24: 682.
 on ball race, Pima 24: 671.
 on Catawba pottery making 20: 55.
 on cinctures used by the Pima 26:
 104.
 on cure for gonorrhea 26: 80.
 on Dakota curing wild rice 19: 1065.
 on Dakota thrashing wild rice 19:
 1068.
 on dice games, Mohave 24: 205.
 on dice games, Pima 24: 150.
 on dice games, White Mountain
 Apache 24: 90.
 on hand game, Diegueños 24: 324
sq.
 on hand game, Mohave 24: 326.
 on hoop and pole, Pima 24: 489.
 on Mexican clay vessels 8: xxvi.
 on nuts of "quinine plant" 26: 78.
 on popular synonym for wild rice
 19: 1023.
 on shinny, Mohave 24: 645.
 on use of wild gourds 26: 79.
 on use of canaigre 26: 77.
 Pima artifacts collected by 26: 96,
 149, 152.
 pottery collected by, reference to
 22, i: 34.
 reports previous exploration of Men-
 ard mound 12: 231.
 Utah hoe described by 13: 133.
 visits Silvertown mound 12: 263.
 work of 3: xxiv.

Palmer, William, work of 25: xxi.

Palmetto

- fiber, use of, as tempering material,
 Florida Peninsula 20: 117, 121.
 use of, in building 42: 688.

Palmos, Rio de, probable identifica-
 tion of 14: 346.

Palmyra-Princeton Trail 42: 806-
 810.

Palo de Aceite. *See* **Copaifera.**

Paloos Tribe

- Flathead name for the 45: 301.
 location of the 45: 37.
 name of, in sign language 45: 146.
 population of the 7: 107.

See also **Palouse; Pälus.**

Paloú, Father —, Syujtun mentioned
 by 44: 49.

Palouse

- a Päl'us synonym 14: 735, 737.
 mention of 41: 136.
See also **Paloos Tribe; Pälus;**
Yakima.

Paloverde

- in Pima tales 26: 247, 250.
 Pima food plant 26: 75.

Palü, Washo name of the Paiute 14:
 1048.

Palülüköñ

- association of, with Nüvak 21: 84.
 derivation of 21: 124.
 description of 21: 87.
 effigies of 21: 50, 51.
 the Great Snake, in Patki myths
 19: 597.
 Walpi ceremonies performed at home
 of 21: 52.

Pälü-lü-koña, the Hopi serpent deity
 13: 188.

Pälülüköñti

- appearance of Hahai wüqti in 21:
 68.
 application of name corn-planting to
 21: 52.
 ceremony, description of 15: 291.
 description of 21: 22, 40-55.
 kateinas appearing in 21: 16, 87-
 95.
 occasional ceremonies connected with
 21: 48 *sqq.*
 variation of 21: 19.

Pälulukonuh. *See* **Snake, Plumed.**

Paluña Hoya

- derivation of 21: 125.
description of 21: 90, 91.
worship of 21: 21, 25.

Pälus

- and Wa'napûm affinity 14: 735
incorporation of Chämnä'pûm with
14: 739.

sketch of the 14: 735.

See also **Paloos Tribe; Palouse.**

Palwisha land cessions and reservations 18: 782.**Pamano** 33: 301, 622, 658.**Pambzimina**, Shoshoni name of the Sioux 14: 1057.**Pamicari**, basketry "hat" 38: § 518.**Pamlico-Albemarle Pottery** 20: 147 *sqq.***Pamunkey Indians**

- Cherokee relation with 19: 30.
field work among the 22, i: xii.
initiatory shelters 13: 14.
modern pottery of the 20: 152 *sq.*
use of shell for tempering by 20: 48.

Pamürti

- celebration of advent of Zuñi katci-
nas in 21: 57.
ceremony of, led by Pautiwa 21: 59.
description of 21: 21, 26-29, 59.
fraternities taking part in 21: 23.
Hopi festival 21: 24.
kateinas appearing in 21: 16.
personation of Sio Humis taamû in
21: 64.
purpose of 21: 16.
significance of introduction of Teak-
waina in 21: 62.

Pamüryawû, ceremonies celebrated in 21: 21.**Pan American Scientific Congress**

- mention of 30: 12.
reference to 29: 11.

Pan Pacific Convention, mention of 41: 40, 48.**Pana**, identification of 17: 248.**Panachika**, Makusi barbed composite arrow 38: § 139.**Panama** 46: 175.**Panamint Indians**

- stone arrow-point of the 14: 282.
vocabulary of the, obtained 5: xxx.

Panax Quinquifolium 33: 106.**Pancakes**, superstitions concerning 9: 541, 542, 543.**Pancassa**, identification of 17: 248.**Pandora**, Cherokee parallel to myth of 19: 436.**Pandosy**, —, on definition of Yakima hand game 24: 307.**Pane, Ramon**

- account by, of making *zemis* 34: 208.

See also **Ramon Pane.**

Panela, nonrefined sugar made up into cakes in the shape of a brick 38: § 264.**Paneled Doors** in modern pueblos 8: 184 *sqq.***Panels** of stone collars 34: 193-196.**Pangyagiate**, death of 17: 296.**Pani**

- mention of 4: 166, 241.

tribal signs for 1: 472.

See also **Pawnee.**

Paniagua, Juan, miraculous recovery of 14: 500.**Panic Grass**, medicinal use of 42: 667.**Panico.** *See* **Panuco.****Panicum**, species of, used medicinally 42: 667.**Panicum Virgatum** 33: 66.**Pani piqués**, French name of the Wichita 14: 1095.**Panpipes** 38: § 566.**Panquichas.** *See* **Piankishaw.****Pa'sfalaya**, name for the Choctaw 42: 683.**Pansy Society** and the Sioux out-break 14: 893.**Pantaloons** of the Eskimo 9: 126-129.**Pantatûk**, exploit of 26: 41.**Pantheon** of the Acoma 47: 64-67.**Panther**

- and the rabbit, folktale of 14: 221.
myths concerning 19: 247, 434, 449, 471.

range of the 2: 142.

representation of, Florida mortuary pottery 20: 124.

Panther Clan

- associations of the 42: 149.
native names for 42: 116.
of the Natchez 42: 118.
origin myth of the 42: 111 *sq.*
story of the 44: 200.

- Panther Disease**, mention of 42: 644.
- Panther Lily**, use of, as food 45: 482.
- Panther Phratry**, clans of the 44: 192.
- Pantherlike Animals** in Dresden Codex 16: 226.
- Panti**, name of legendary dog 44: 179.
- Pantomine**, Natural 1: 280.
- Pantomimes**, Classic 1: 286.
- Pantosteus Arizonae** Gilbert, Salt River fish 26: 83.
- Pantosteus Clarkii**, Gila River fish 26: 83.
- Panuco, Mexico**
 references to 14: 592.
 remains near 26: xvi.
- Panuco Bay**, location of 14: 346.
- Panuco River, Mexico**, ruins along 26: xv.
- Pañwû**, description of 21: 102.
- Pañwû Clan**, mention of 19: 596.
- Pao**, four-stick game of the 24: 335.
- Paowi**, Sonora tree 26: 176.
- Papa**, title of, given to priests at Zuñi 14: 518.
- Papago**
 a division of the Piman family 7: 98.
 absence of Ghost dance among the 14: 805.
 Agave heteracantha used by 26: 142.
 altruism of the 21: xxvii.
 basketry of the 26: 145 sqq.
 cattle among the 26: 28.
 collections from the 16: XLII, LIII.
 conquest of nature by the 21: xxviii.
 divisions of the 26: 197.
 exhibit relating to the 17: LVIII.
 feeling of, concerning invasion of Seriland 17: 130* sq.
 field study of the 22: xi.
 formerly called Pima 26: 27.
 fowls introduced by, among Pima 26: 82.
 games 26: 175.
 games of the 24:
 ball race 666, 670 sq.
 dice games 146 sqq.
 double ball 648, 659 sq.
- Papago—Continued**
 games of the 24—continued
 European games 794.
 hand game 295.
 hidden ball 336, 339, 353 sqq.
 in Pima mythology 26: 228.
 influence of, on Pima mythology 26: 251.
 installment of, as guards of Costa Rica 17: 120 sq.
 land cessions and reservations 18: 876, 908, 922.
 location of 26: 76.
 mescal prized by the 26: 70.
 musical instruments of the 26: 168.
 origin of the 28: 152, 153.
 paint obtained by 26: 161.
 population of the 7: 99.
 pottery of the 26: 127, 129.
 prickly pear used by the 26: 75 sq.
 quatern concept among the 19: 834 sq.
 quatern symbols among the 22, i: xv.
 races with Pima 26: 172.
 references to 28: 34, 36, 54, 70, 113, 140.
 relations with Pima 26: 186, 196, 200.
 researches among the 16: xxvi, xxix, xxxiii, lxii.
 researches concerning 20: xxii, xxiv.
 saguaro hook used by the 26: 103.
 smallpox spread by the 26: 268.
 study of the 18: xxxix sqq., xlv; 19: xxiii.
 swiftness of the 17: 126.
 teeth of the 26: 160.
 thievery among the 26: 199.
 trade with Pima 26: 77, 78, 93, 96, 100, 101, 114, 119, 124, 129, 142, 147, 150.
 trade with the whites 26: 127.
 tradition as to wild gourd 26: 91.
 treatment of snake bites by 26: 264.
 villages of the 16: xxxv.
 warfare with Apache 26: 43, 45.
 warfare with Yuma 26: 47.
 woman, capture and enslavement of, by Seri 17: 278 sq.
 work among the 17: li.

- Papago de Cojat, Governor**
governor of Pima 26: 29.
reference to 28: 37.
- Papago Language** 26: 20.
- Papago Music**
manuscripts on 41: 35.
study of 41: 13, 35.
- Papago Songs, analyzed by Miss Frances Densmore** 42: 15.
- Papagueria**
explanation of the term 26: 76.
exploration in 17: 12.
natural products of 26: 93 *sq.*
- Papantla, Mexican pueblo** 25: 249.
- Papa-uirá Bird, binas from** 30: 288.
- Papaveraceae** 33: 83.
- Papaw, cultivation of** 38: § 246.
- Paper Birch** 33: 75.
- Paper Bread**
appearance of, in pictures of Hopi katecinas 21: 115.
appearance of, in representation of Tcutkutû 21: 67.
use of, in Hopi foot races 21: 114.
- "Paper Chiefs," account of** 27: 85, 212, 631.
- Papers accompanying annual reports 1-48: passim.**
- Papilion Creek, reference to** 27: 91, 100.
- Papitsinima, Comanche name of the Sioux** 14: 1057.
- Papoose Rock, legend of** 43: 257.
- Papshpûn-'lëma, a synonym of Pend d'Oreille** 14: 731.
- Paptöa** *See Hohola.*
- Papuan Archipelago, masks in** 3: 98-103.
- Papuans**
mourning colors of the 10: 630.
notice of warning by the 10: 357.
- Paquette, Moses, information furnished by** 24: 366.
- Parade Ceremonies** 45: 393, 394.
- Paradigmatic Inflection** 1: 7, 15.
- Paradise**
conception of 42: 513, 514.
location of 42: 513.
See also Heaven.
- Paradise Nut.** *See Lecythis.*
- Paragonah, mound at, excavated by N. M. Judd** 37: 24 *sq.*
- Paragraphing, system of** 40: 28.
- Parakari Drink** 38: § 261.
- Parallelism** 33: 328.
- Paralysis among the Pima** 26: 265.
- Paraphernalia**
dance, where kept 15: 296.
of Cuñopavi Snake dance 16: 288.
used in Palülüköñti 21: 50, 51.
See also Costumery.
- Paraphrases, corrected by grammatical analysis** 40: 295, 378.
- Parapi, Carib dish** 38: § 389.
- Parau, Makusi name for arrow** 38: § 128.
- Parched Corn, Indian use of** 19: 481.
- Parchment, use of, by American aborigines, for drum heads** 20: 34.
- Pardo, Juan, exploration in Cherokee country by** 19: 27 *sqq.*, 380.
- Päreiyä**
a Comanche leader 17: 162.
death of 17: 164.
- Pareja, Padre —**
material preserved by 42: 679.
Timucua vocabulary of 7: 123.
- Parents**
attitude toward 46: 485.
of Omahas, rights of 3: 268.
respect for 38: § 911.
- Parflêches**
designs on 41: 242, 360.
rawhide, described 45: 50 *sq.*, 221.
tribes using 41: 357.
use of 45: 352.
- Parhelion, Eskimo belief concerning** 18: 449.
- Päriaséaman**
a Comanche chief 17: 161.
treaty signed by, in 1867 17: 186.
- Parica.** *See Piptadenia.*
- Parilla, Diego Ortiz, "extermination" of Seri by** 17: 73 *sq.*
- Pario Seeds, substitute for cassava** 38: § 242.
- Paripi**
drink 38: § 271.
peach palm, Guilielma 38: § 116, 117.
- Paris, treaty of** 19: 60.
- Paris, Ky.**
settlement of 42: 789.
trails connecting at 42: 792.
- Parish, Lee, acknowledgment to** 47: 1.

- Parishara Dances** 38: § 586-590.
- Parisot, J., et al.**, on the Taensa language 7: 96.
- Park, buffalo caught in** 46: 532 sq.
- Parke, Jno. G.**
 on Pogueate 29: 539.
 on Pojoaque 29: 334.
 on Quivira 29: 566.
 on Sia 29: 518.
- Parke, Lieut. J. G.**, surveys by 26: 31.
- Parker, —**, report concerning intended reserves by 18: 837.
- Parker, Arthur C.**
 acknowledgment to 36: 27.
 cooperation of 33: 33.
- Parker, Caroline**, proposal to bestow title of "Peacemaker" on 19: 208.
- Parker, Cynthia**, capture of, by Comanche 17: 270.
- Parker, E. S.**, commissioner to treat with Indians 5: 341.
- Parker, Sir Peter**, attack on Charleston by 19: 47.
- Parker, Quanah**
 a Comanche chief 14: 1046.
 opposition of, to Ghost dance 14: 902.
- Parkies** of fawn skins, numerals used in counting 18: 241.
- Parkinson, William**, mound on land of, Pennsylvania 12: 496.
- Parkinsonia.** *See* Paloverde.
- Parkman, Francis**
 cited on Indian beliefs 11: 443.
 cited on Indian medicine-men 9: 455, 459, 475.
 cited on Pontiac 24: 665, 669.
 on Algonquian myths 19: 437.
 on d'Iberville's colonization 14: 14.
 on French and English relations with Indians 14: 17.
 on Niagara Indian council 14: 18.
 on the Pontiac conspiracy 14: 130.
 on the use of wampum 2: 247.
 petition for Casa Grande repair 15: ciii.
 Pontiac manuscript referred to by 14: 663.
 quoted on English policy toward Indians 18: 548, 550.
- Parks, A.**, Governor of Alaska 46: 31, 68.
- Parmelia Borreri** 33: 63.
- Pármeliaceae** 33: 63.
- Paroquet**
 carving of the 2: 139.
 range of the 2: 140.
- Paroquet People**, settlement in Shumopavi of the 8: 27.
- Parosela Aurea** 33: 94.
- Parosela Enneandra** 33: 94.
- Parowan Pottery** 4: 292.
- Parr, Harriet**, cited on Joan of Arc 14: 935.
- Parrallelogrammic Form** of Tusayan buildings 8: 102-118.
- Parris, Albion K.**, commissioner to treat with Cherokee 5: 298, 305.
- Parroquet Dance**
 mention of 42: 524.
 See also Okádjibándjå Dance.
- Parrot**
 feathers, appearance of, in Hopi pictures 21: 69, 70, 92, 95, 98, 100, 105, 106, 112, 120.
 in Pima legend 28: 46 sq.
 in Pima mythology 26: 222, 224, 248.
 origin of 30: 142.
 string figure of 38: § 703.
 symbol in Dresden Codex 16: 238.
 taming of 38: § 716, 724.
- Parrot Clan**, size of 47: 35.
- Parry, Captain —**, 46: 218, 230, 348.
- Parry, Dr. C. C.**, Pima vocabulary by 7: 98; 26: 269.
- Parry, Francis**, on use of stone yokes 25: 259.
- Parry, William Edward**
 cited 6: 410, 443, 444, 447, 451, 458, 464, 474, 475, 478, 487, 492, 494, 502, 509, 510, 517, 523, 533, 544, 545, 547, 552, 556, 557, 558, 559, 572, 574.
 description of Eskimo lamp by 9: 106.
 on character of Eskimo women 9: 420.
 on Eskimo amulets 9: 436, 440.
 on Eskimo burials 9: 426.
 on Eskimo diet 9: 61.
 on Eskimo frocks 9: 115.
 on Eskimo kaiaks 9: 333.
 on Eskimo knives 9: 157, 160.
 on Eskimo saws 9: 174.
 on the music of the Eskimo 9: 389.

- Parry, William Edward**—Contd.
on treatment of Eskimo women 9: 413, 414.
works consulted 9: 24.
- Parry-wah-say-men.** *See* **Päriäsé-aman.**
- Parsee Burial** 1: 105, 106.
- Parsnip, Water**, place named for 30: 86.
- Parsnip, Wild**
in Cherokee lore 19: 424 *sq.*
in Eskimo bladder feast 18: 380, 393.
- Parsons, Dr. Elsie Clews**
contributor to Bureau 48: 1189.
myth recorded by 47: 547.
references to 40: 548; 47: 101.
suggestion made by 47: 94.
theory of, regarding Katsina cult 47: 903.
- Parsons, F. H.**
aid rendered by 10: *xxi.*
collection made by 20: 105, 106, 107.
- Parthenocissus**, medicinal use of 42: 662.
- Parthenocissus Quinquefolia**
mention of 33: 102.
use of 44: 291, 307, 320.
- Parthenogenesis.** *See* **Conception.**
- Partial Cremation**
mention of 1: 150.
North Carolina Indians 1: 150, 151,
scaffold burials and ossuaries 1: 168.
- Participants**, number of, in Walpi Snake dance 19: 979.
- Participial Mode**, *Algonquian*
Cree 28: 247.
Fox 28: 245, 260, 265, 271, 288.
Ojibwa 28: 245, 247, 271.
Peoria 28: 245.
Shawnee 28: 245, 265, 271.
terminations for 28: 245.
- Particles**
adverbial 1: 13.
modal 1: 13.
pronominal 1: 13.
tense 1: 13.
- Particular Exploits and Events** 4: 214–218.
- Parting Song** 35: 1307, 1309.
- Partisan**, signs for 1: 384, 418.
- Partitions**
in baskets 41: 210.
- Partitions**—Continued
in Ketchipauan church 8: 82.
of upper story supported by beams 8: 144.
- Partnership Corporations**, purposes of 20: *LXXXII.*
- Parton, Eliza**, acknowledgment to 14: 655.
- Parton, George**, acknowledgment to 14: 655.
- Partridge, R. H.**, work of 24: *xxi.*
- Partridge.** *See* **Pheasant.**
- Partridge Clan**, native name for 42: 117.
- Partridge Creek, Ariz.**
petroglyphs on 10: 50.
rock carvings on 4: 30.
- Parts of Baskets**, terms used for 41: 394 *sq.*
- Parturition**
use of cords and knots in 9: 570 *sqq.*
See also **Childbirth.**
- Pasa**
a busk medicine 42: 547, 552.
use of 42: 604, 607, 608, 655.
See also **War Physic.**
- Pascagoula**
descendants of the, in Wolf clan 42: 125, 150.
reference to the 42: 713.
study of the 30: 18.
tribe of Choctaw Confederacy 19: 500.
See also **Paskagoula.**
- Päsînâ Tribe**, allies of the Apache 26: 43.
- Paskagoula, Paskagula**
a Biloxi division 15: 164.
and Biloxi, house burial of 1: 124, 125.
mortuary customs of the 13: 21.
See also **Pascagoula.**
- Pasketa** land cessions and reservations 18: 782.
- Paski**, description of 21: 117.
- Päskin'**, Ojibwa traditionist 19: 1057 *sq.*
- Paso de Francia, Tex.**, road to 42: 830.
- Paso y Troncoso**
on name of Cempoalan temple 25: 238.
survey of Cempoalan by 25: 234.

- Pasquaro**, visit of Mendoza to 14: 478.
- Pasque Flower**
 mention of 33: 80.
 use of 44: 292.
See also Pulsatilla Hirsutissima.
- Pass Creek**, archeologic remains on 15: LIX, 100, 102.
- Passages.** *See* **Passageways.**
- Passageways**
 absence of, in Verde ruins 13: 199.
 description of 8: 180 *sqq.*
 in Casa Blanca 16: 109.
 in cavate dwellings 13: 222, 225, 227, 231, 232, 235; 17: 542.
 in cliff dwellings 16: 100.
 in Honanki 17: 565.
 of Eskimo houses 18: 243 *sqq.*, 250.
 rarity of, at Oraibi 8: 76.
 Shumopavi 8: 74.
 Shupaulovi 8: 72.
- Passailaique**, Luis, amulets found by 25: 145.
- Passalus**, edible beetle 38: § 224.
- Passamaquoddy Indians**
 birch-bark drawing by the 10: 474.
 convention device of the 10: 652.
 games of the 24:
 dice games 82 *sq.*
 European games 792.
 racket 570 *sq.*
 ring and pin 528, 540 *sq.*
 snow-snake 406.
 myths of the 19: 451.
 pictographic notice of condition, or wikhegan by 10: 347-350.
 pictographic notice of direction by 10: 339 *sq.*
 pictographs of, examined 10: XII.
 present home of the 43: 169.
 record of battle by the 10: 560 *sq.*
 reference to the 28: 290.
 shop accounts of the 10: 259-262.
 tribal emblem of the 10: 378 *sq.*
 visit of, to Washington 34: 28.
 wikhegan or message to the President from 10: 367.
 work among the 18: XXVII, XXVIII, XXXIV *sqq.*
- Passamaquoddy Language**
 agreement of, with Piegan 28: 231, 232.
 consonantic clusters in 28: 259, 283.
- Passamaquoddy Language—Con.**
 description of 28: 280, 281, 282, 283, 284, 285, 286, 287, 289, 290.
 examples in comparison with 28:
 Abnaki 239, 284.
 Algonkin 243, 265, 267, 273.
 Cree 238, 239, 243, 244, 257, 267, 284.
 Delaware 243, 267, 277, 278.
 Eastern Algonquian 257.
 Fox 239, 257, 258, 259, 267, 277, 284.
 Kickapoo 267.
 Menominee 238, 243, 267, 284.
 Micmac 284.
 Natick 243.
 Ojibwa 238, 243, 257, 258, 267, 268, 277, 278, 284.
 Ottawa 267.
 Penobscot 238, 284.
 Peoria 239, 267, 273, 277, 284.
 Sauk 267.
 Shawnee 239, 243, 256, 257, 258, 259, 267, 268, 273, 277, 278, 284.
 independent mode 28: 268.
 indicative mode in 28: 273.
 pronunciation of 28: 228.
 reference to 28: 225.
- Passé Indian, of Brazil**
 dyes used 10: 222.
 man tattooed 38: § 509.
 totem mark of the 4: 167
- Passos**, mention of, by La Salle 17: 248.
- Paste**
 texture and color of 20:
 Eastern United States pottery 54, 63.
 Florida Peninsula pottery 117, 121, 124.
 Gulf Coast pottery 106, 108, 111.
 Middle Atlantic Coast pipes 155, 158.
 Middle Atlantic Coast pottery 148, 152, 153.
 Middle Mississippi Valley pipes 99.
 Middle Mississippi Valley pottery 84, 86, 97.
 New Jersey-New England pottery 175, 177.
 Northwestern pottery 192 *sq.*, 196, 198, 199, 200.

Paste—Continued

- texture and color of 20—continued
- South Appalachian pottery 132, 138.
- Southern and Northern pottery 187.
- Spanish olive jars 129.
- See also Materials; Texture.*

Pastimes

- of the Eskimo 9: 364.
- See also Games, and names of various games.*

Pastoliak 46: 199.**Pastolik**

- ceremonial objects from 18: 406 sq., 413 sq.
- description of 18: 246.
- implements and utensils from 18: 69, 95, 140, 156, 159, 164, 193.
- manufactures from 18: 200.
- mention of 46: 75–78, 82, 164, 170, 195, 199, 217, 295.
- people of 18: 26.
- skeletal parts from 46: 314, 317.

Pastolik Crania

- basiofacial diameters 46: 279–282.
- dental arch 46: 276.
- facial 46: 266.
- facial angles 46: 285.
- means 46: 286.
- mention of 46: 257, 259, 262, 263.
- nose 46: 268, 270.
- orbits 46: 274.

Pastor, game of, Tigua 24: 195.**Pá-tádal or Pa'tadal**

- influence of, in Ghost dance 14: 914.
- party against Navaho led by 17: 322.
- Sarsi descent of 17: 160.
- surrender of 17: 206, 211.
- See also Poor Buffalo.*

Patagonia

- arrow-chipping in 13: 139.
- collections from 18: XLVII; 20: XXIV.
- field work in 20: IX, XI.
- researches in 21: XII.
- use of bolas in 13: 95.
- work among natives of 18: XXIX.
- work in 19: XVIII.

Pataoua, tripod for slinging hammock 38: § 482.**Pataua Oil** 38: § 25.**Patcosk, description of** 21: 99.**Pateatlan.** *See Petatlan.***Patents to Indian tribes, title under** 18: 642 sq.**Pa-tepte or Patepte**

- a Kiowa leader 24: 285.
- dó-á game led by 17: 347.
- effort of, to restore buffalo 17: 349.
- See also Dátekân.*

Pater Noster. *See Lord's Prayer.***Paternal Social Organization, study of** 18: XXXIX, XLI.**Paternity, indefinite, among the Indians** 11: 271.**Paterramett, a Wawenock at Falmouth conference** 43: 174.**Path of Life in rituals** 39: 259.**Pa'thěskě, account of** 14: 700.**Pa'thi'gahige, group under** 27: 178, 181.**Pa'-thi'-wa-we-xta, an informant** 36: 272.**Pathkiller, relief of** 19: 90.**Pathology**

- of bones 46: 109, 320, 366.
- of teeth 46: 309.

Pathway, obstruction of 38: § 291.**Patient**

- arrangement of room for 35: 734.
- articles extracted from bodies of 23: 501.
- practicing upon 23: 493.

Patiño, Alonzo, on Cempoalan ruins 25: 233.**Patki**

- Ahūlani, the returning sun of the 21: 122.
- introduction of Añya kateinas by 21: 45.

Patki or Cloud Clan

- advent of, at Walpi 19: 585.
- affiliation of, with Walpi 21: 29.
- altar in house of 21: 29.
- and Walpi relations 19: 597.
- dramatization of return of ancients of 21: 16.
- Hopi kateinas derived from 21: 124.
- original home of 19: 596.
- participants in Tawa Paholawū members of 21: 31.
- prayer-stick making of the old house of 21: 31.
- throwing of meal at, by Pautiwa 21: 26.

Patki Clans

- abandonment of pueblos on Little Colorado River by, causes of 22, i: 22.
- advent of, into Tusayan 19: 626.
- census of 19: 599 *sqq.*
- chiefs of 22, i: 24.
- former habitat of 22, i: 23, 24.
- Hopi, references to 28: 142, 218.
- house of, entrance of Pamürti procession into 21: 28.
- house of, Lalakoñtû winter assemblage held in 21: 39.
- house of, serpent effigies kept in 21: 51.
- introduction of Lalakoñti into Tusayan by the 21: 58.
- mention of 19: 596-603.
- migrations of 19: 596 *sq.*
- Pima, reference to 28: 35.
- probable derivation of Añya katecina and Zuñi Kokokci from 21: 94.
- See also* Patki Clan.
- Patki Group**, component clans of 19: 583.
- Patki People**
 - early migrations of the 17: 574.
 - southern origin of the 17: 529, 568.
- Pat-ki-nyûmû**, the Hopi Water-House phratry 13: 188.
- Patne** in Antelope altar 19: 968.
- Patois Fish**, string figure of 38: § 705.
- Patol**, game of 24: 122, 146, 148, 151, 152, 190-194.
- Patos Island.** *See* Isla Patos.
- Patricio**, narrative of, in signs 1: 505.
- Patrick**, —, quoted on Potawatomi Prophet's dance 14: 706.
- Patrick, Daniel**, purchase of land by 18: 616.
- Patrick, H. R.**, on ancient irrigation ditches 28: 114.
- Patrick, Dr. John B.**
 - collection of 12: 133.
 - peculiar arrangement of shells in a mound mentioned by 12: 361.
 - time chart sent by 4: 93.
- Patrilineal Descent**
 - among the Foxes 40: 341.
 - among the Quapaw 42: 696.
 - reference to 40: 161.

Patriot, Ind., mention of mound at 42: 789.

Patriotism of the Indians 7: 36.

Pätso'gâte, death of 17: 349.

Patszro

appearance of, in Soyaluña 21: 25.

description of 21: 80.

personation of, in Powamû 21: 32.

Patszro Katecina, comparison of, with others 21: 81.

Patten's Valley, origin of rock etchings in 4: 25, 26.

Patterns

bitten in birch-bark 44: 390-395.

for beadwork 44: 390.

in basketry 38: § 444.

in pottery 38: § 94.

in weaving 38: § 105-114.

Patterson, Roger

on amounts of wild rice harvested 19: 1077.

on destruction of wild rice by storms 19: 1100.

on drowning of wild rice 19: 1099.

on Ojibwa curing wild rice 19: 1066.

on Ojibwa gathering wild rice 19: 1062.

on Ojibwa thrashing wild rice 19: 1068, 1069, 1070.

on Ojibwa tying wild rice 19: 1059.

on reliability of wild rice crop 19: 1099.

on winnowing of wild rice 19: 1070.

Patterson and Brown Mission 14: 946.

Patties, The

journies of 26: 30.

reference to 28: 62.

Patton, Rev. F., tradition related by 44: 177.

Patuñ, description of 21: 116.

Patuñ or Squash Clan

advent of, at Walpi 19: 585.

advent of, into Tusayan 19: 626.

migrations of, in ceremonials 19: 595 *sq.*

original home and migrations of 19: 595 *sq.*

Patuñ Group, component clans of 19: 583.

Patuñ People, former inhabitants of Homolobi 22, i: 24.

- Patuñ Phratry**, southern origin of 17: 529.
- Patuñ-Piba-Patki Societies** 19: 627-630.
- Patuxent River**
operations along 13: xxvi.
quartz tools found on the 15: 137.
steatite quarries on the 15: 125.
- Pauixiana**
employ curare to stupefy toucan 38: § 122.
using ruffs, tippets 38: § 538.
- Paukooshuck's Band**
cession of reserve by 18: 758.
See also **Aubbenaubbee's Band**.
- Paul's Conference** of Iroquois tribes 43: 455.
- Paullinia**
for fish poison 38: § 208.
for tying rafts 38: § 802.
mention of 38: § 247.
- Paullinia Sorbilis**. *See* **Cupana**.
- Pausch, A.** 46: 371.
- Pautiwa; Paútiwa; Pau'tiwa**
account of 47: 908-914.
and Sälāmobia masks compared 15: 309.
appearance of, in Powamú festival 21: 36.
chief of masked gods 47: 521.
coming of 23: 137.
connection of, with Pakab clan 21: 25.
departure of 23: 139.
god, derivation of 21: 125.
god, description of picture of 21: 59.
god, personation of, in Pamürti 21: 26, 27.
god, personators from Teivato kiva led by 21: 48.
god, resemblance between symbolic design of, and that of Cipikne 21: 60.
Hopi Eagle clan chief, references to 19: 579, 608.
impersonation of 47: 692.
personator of 23: 130.
selection of personator of 23: 126.
the chief Katcina 47: 845.
visit of 47: 23.
- Pauwai**
knapsack 38: § 450.
leaf basket 38: § 453.
- Pavant**, number names of 19: 869.
- Paving Shupaulovi kiva** 8: 126.
- Paving Stones** of kiva floor, how finished 8: 125.
- Paviotso**
application of the term 14: 1048.
population of 7: 110.
- Pavlof**, village 46: 189.
- Pavaoakaci**. *See* **Moisture Tablet**.
- Pawhuska**, village at 36: 45.
- Pawik**, Eskimo village 46: 189.
- Pawik**
appearance of, in Soyaluña 21: 25.
derivation of 21: 125.
description of 21: 78.
personation of, at Nacab kiva in 1893 21: 50.
personation of, in Pamürti 21: 27.
- Pawik Katcina**, ceremony described 15: 299.
- Pawikpa**, same as Orpinp'o 19: 614.
- Pawkees** 4: 227.
- Pawnee**
and Arapaho warfare 14: 954.
Arapaho attack on the 17: 276.
armor of the 13: 288.
arrows of the 13: 287.
bent spears used by the 13: 285.
ceremonies of, studied by James R. Murie 36: 27.
ceremony of the 19: 413.
Cheyenne and Kiowa slaughter of 17: 175.
cholera among the 17: 290.
chronology of the 17: 370.
chungke game among the 13: 99.
defeated by the Ponca 27: 446.
divisions and habitat of the 7: 60, 61, 113.
dramatic ritual of the 23: xxxix.
early relations of, with French 27: 81.
field work among the 22, i: xiv, xxxvii, xliv.
games of the 24:
archery 383, 386.
dice games 99-102.
double ball 657 sq.
hand game 269, 274 sqq.
hoop and pole 420, 463-469.
shinny 625.
snow-snake 409.
swing 730.

Pawnee—Continued

- Ghost dance among the 14: 902, 927.
 habitat of the 17: 248; 27: 88 sq.
 Hako ceremony 21: xxxi.
 Hako ceremony, monograph on 23: xxxviii.
 Hako ceremony, record obtained as 21: xii.
 Hako ritual of, phonographic record of 23: xvi.
 Hethu'shka society among the 27: 460.
 hunting ground of the 27: 89.
 influence of Ghost dance on the 14: 926.
 Kiowa fights with the 17: 286, 290, 293.
 Kiowa hostility to 17: 160.
 Kiowa name for the 17: 259.
 Kiowa peace making with the 17: 333.
 land cessions and reservations 18: 750, 780, 818, 858, 884, 946.
 medicine arrow of, pictographically represented 10: 503.
 mention of the 4: 102, 127, 131, 135, 139, 141, 142, 143, 144.
 mode of hair dressing 14: 394.
 mythology of the 23: xxxviii sq.; 24: 730.
 myths and beliefs of the 19: 445 sq., 451, 462 sq., 473, 505.
 name of the Arapaho 14: 954.
 name of the Kiowa Apache 14: 1081.
 name of the Ponca 27: 43.
 name of the Sioux 14: 1057.
 Omaha name for the 27: 102.
 origin of name of 17: 291.
 Osage hostility to 17: 295.
 outlawry of the 17: 172.
 paper on the Hako ceremony of 22, ii: 1-368.
 pictographs on wood by 10: 214.
 population of the 7: 62.
 pottery making by the 20: 58 sq., 199 sq.
 raid on Kiowa horses by the 17: 305.
 removal of, to Indian Territory (Oklahoma) 5: 360; 17: 333.

95719°—33—50

Pawnee—Continued

- settlement of, on Cherokee Strip 19: 151.
 slaves among the Menomini 14: 35.
 smallpox among the 17: 168, 275.
 Spanish influence through 27: 114.
 study of fraternities and cults of 19: xlviii.
 Tewa name for the 29: 575, 578.
 tribal designations of the 10: 386.
 Wa'bačka's defeat of 27: 406 sqq.
 war customs of the 17: 161, 259.
 warfare with Omaha 27: 87.
 Wa'wa ceremony of 27: 377, 379 sqq., 400.
Pawnee Loup Indians, notice of war party by 10: 336.
Pawnee Music, work done on, by Miss F. Densmore 41: 12 sq.
Pawnee (Skidi) Indians, hoop and pole game of the 24: 469.
Pax, symbol, reference to 16: 229.
Paxiuba Palm
 flutes made from 30: 229.
 See also Iriartea.
Paxton, William A., brought first Texas cattle to Dakota 4: 125.
Paxton Boys, massacre of Conestogas by 20: 165.
Pay
 of midwife 35: 670.
 of twin's mother 35: 670.
Paya, Honduras, method of forming numbers 19: 915.
Payara. *See Morocot.*
Pa'yatāmu, distinction in name of 23: 409.
Paye. *See Piai.*
Payment
 dependent on rank of debtor 35: 731.
 for cauterizing 35: 696.
 of Indian medicine-men 9: 467 sq.
 to wood-carvers 35: 1339.
Payne, Mrs. E. C. M., work of 48: 5.
Payne, E. J., on changes in languages 21: 18.
Payne, J. F., report on Warm Springs reservations by 18: 946
Payne, J. H.
 arrest of 19: 122 sq.
 on Cherokee myths 19: 436, 440, 442.

Payne, J. H.—Continued

- on New-Fire ceremony by Cherokee 19: 502 *sq.*
- on sacred square of the Creeks 19: 502.

Payne's Landing, treaty of 18: 734.**Payüpki or Payupki**

- a ruin in Tusayan 17: 578, 583.
- description of 8: 59 *sq.*
- finish of masonry at 8: 142.
- fragment of passage wall at 8: 181.
- migration legend of 8: 40.
- possible origin of 17: 584.
- tradition concerning pueblo of 8: 40.

Pea, a forage plant 45: 516.**Pea Ridge, Cherokee participants in battle of** 19: 149.**Pea, Wild**

- use of 44: 290, 336, 376.

See also **Lathyrus Venosus.**

Peabody, Dr. Charles, cave explored by 26: XIII.**Peabody House, reference to** 29: 16.**Peabody Museum, Harvard University, Cambridge**

- acknowledgments to 20: 16; 37: 48.
- collections in 4: 367.
- collections of Miami Valley ware in 20: 184.
- gift to 42: 786.
- mention of 46: 235.
- on Mayan inscriptions in 19: 700.
- references to 19: 699; 28: 119.

Peabody Museum Report

- account of Ohio Valley figurines in 20: 183, 184.
- accounts of Middle Mississippi Valley pottery in 20: 87.
- on "White Buffalo Ceremony" 27: 284.

Peace

- a principle of justice 20: LXXIX.
- and friendship, profession of, pictographically represented 10: 359-362.
- calumet symbol of 27: 207.
- ceremonies at Tiguex 14: 496.
- dominating ideas of the busk 42: 548.
- embassies, Iroquois 19: 109, 352, 353-356, 365, 367-370, 485-488, 491-494.
- form of making, at Acoma 14: 491.

Peace—Continued

- importance attached to 27: 211 *sq.*
 - in control of Council of Seven 27: 209.
 - limitations of 42: 549.
 - making, form of 47: 23.
 - making of 42: 441 *sqq.*, 706.
 - making of, among Kiowa and Pawnee 17: 334.
 - making of, ceremony of 44: 239 *sq.*
 - Nini'bato^a divisions associated with 27: 201.
 - ratification of 38: § 777.
 - rites for preservation of 27: 195.
 - signals for 1: 530, 534, 535.
 - signs for 1: 438.
 - symbol of, the red plume 36: 134.
 - symbolism connected with 11: 523.
 - treaties between tribes 46: 404.
 - with another tribe, Omaha mode of making 3: 368.
- Peace Bed.** *See* **Heniha's Bed.**
- Peace Clans, application of the term** 42: 165.
- Peace Color** 42: 37.
- Peace Council of 1872** 17: 190.
- Peace Gens.** *See* **Tsi'-Zhu Wa-shta'-ge Gens**
- Peace Gens of the Ho'-ga, chief chosen from the** 43: 36.
- Peace Gens of the Tsi'zhu, chief chosen from the** 43: 36.
- Peace Gentes, prominent in child-naming rites** 43: 33.
- Peace-making.** *See* **Peace.**
- Peace Pipe**
- a life symbol 36: 126.
 - among the Siouan tribes 15: 169.
 - Menomini tradition of 14: 218.
 - of the Cherokee 19: 503.
 - of the Sioux 14: 1062.
- See also* **Pipe; Pipes; Pipes of Peace.**
- Peace Towns, Indian** 19: 207 *sq.*
- Peaceful Day Subgens of Red-Eagle gens** 36: 127.
- Peacemaker, office of** 36: 54, 276.
- Peacemaker Gens, hair cut of the** 43: 89 *sq.*
- Peach Palm.** *See* **Paripi.**
- Peach Springs, Ariz., petroglyphs near** 10: 50.
- Peaches**
- among the Cherokee 19: 214.

Peaches—Continued

- cultivation of, near Sikyatki 17: 646.
- groves of, in Canyon de Chelly 16: 88.
- in Zuñi, source of 13: 332.
- introduction of, by Spaniards 16: 88.
- introduction of, in Oraibi 17: 604.
- introduction of, into Pueblo country 14: 550.
- of the Hopi 17: 639.
- planted by the Asa people 8: 30.

Peachlands, Miss.

- description of 42: 826.
- mention of 42: 825.

Peachstone Game

- dice game, Cayuga 24: 112 sq.
- dice game, Seneca 24: 116 sq.

Peacock

- Cherokee legend of 19: 399 sq.
- Indian's use of feathers of 19: 504.

Peah, amounts of wild rice harvested by 19: 1076.**Peah Ute, standard of life of** 19: 1079.**Peak. See Wampum****Peake, —** 46: 45, 47, 49.**Peale, —**

- on hide dressing with adze 13: 169.
- on stone chipping 13: 141.

Peale, A. C., aid rendered by 10: XXI.**Pear, Avocado** 38: § 246.**Pearce, J. E.**

- collections made by 41: 20, 43, 72.
- work of 40: 4; 41: 14 sq., 38 sq.

Pearl Everlasting 44: 286, 362.**Pearl-Shell Maker** 35: 1271.**Pearl Shells** 35: 1270.**Pearls**

- on coast of Gulf of California 14: 350.
- perforated for beads 2: 225.
- used by the Powhatan 2: 232.
- worn by the upper classes 42: 685.

Pearson, C. 46: 316.**Pebble Society**

- explanation of teachings of 27: 570 sq.
- general account of 27: 265 sq.
- magic in 27: 565, 580 sq., 583, 602.
- opening ritual of 27: 568-571.
- references to 27: 171, 172

Pebble Society—Continued

- relation of, to Shell society 27: 529, 581.
- rituals for sweat lodge 27: 571-578.
- "shooting" of members of 27: 530, 537.
- songs of 27: 566 sq., 579.

Pebbles

- kept in mouth as protection against ghosts 31: 466.
- Seri use of, as tools and weapons 17: 234*-246*, 248*, 255*.
- See also Stone.*

Pecan Island, La., mounds of 43: 14.**Pecan Point**

- death's-head vases from 20: 98.
- pottery from 4: 369, 381, 390, 391, 392, 396, 397, 398, 404, 406-409, 410, 417, 422.

Peccary

- eaten by Pima 26: 80.
- head of, in clay 34: 121.
- See also Bush-Hog.*

Pech, definition of 16: 247.**Pechita, meaning of the term** 26: 29.**Peck, E. J., influence of, on Indians** 11: 182.**Peck, J. M., cited** 12: 695.**Pecked Implements**

- materials used for 15: 97.
- of various kinds 15: 26, 103.

Pecos

- conference at 45: 7.
- labors of Friar Descalona at 14: 401.
- ruin of pueblo, situation of 23: 15.
- visited by Spaniards 14: LVII, 391.
- work of expedition of 1879 at 23: 15, 16.

See also Cicuye.

Pecos Indians

- data on 29: 477, 478.
- early homes of 29: 474.
- language of 29: 37.
- names for 29: 472, 473, 576.
- reference to 29: 259.

Pecos Pueblo, Act of Congress affect-
ing 18: 920.**Pecos River**

- crossed by Spaniards 14: 504.
- See also Rio Pecos.*

Pecten Shells

- used as implements 2: 206.
- used as ornaments 2: 189, 261.
- used as rattles 2: 190, 206.
- used as vessels 2: 189.
- used in art 2: 189.

Pectis, use of, for perfumery 30: 83.

Pectunculus Shells

- clay imitation of, from Kisakobi 22, i: 91.
- manufacture of rings from 2: 263.
- ornaments made of 22, i: 88 sq., 91; 28: 143 sq.

Pecuah symbol in Maya Codex 16: 229.

Pedee, divisions of the 15: 165.

Pe'degahi, information obtained from 27: 558 sq.

Pedernal, use of the word 44: 96.

Pedestals

- eastern United States pottery, recentness of 20: 25, 42 sq.
- Florida Peninsula pottery 20: 119, 128.

See also Bases.

Pedestrian Habit of the Seri 17: 149*-152*, 157*.

Pedicularis Bracteosa 45: 467, 500.

Pedicularis Racemosa 45: 467.

Pedra Lavrada, Brazil 10: 157.

Pedreria, Eurpoean game, Tewa 24: 797, 798.

Pedro Pablo Romero. *See Romero.*

Pe'-dse-mo'-i'n, an informant 39: 213.

Peepinohwaw's Band

- cession of reserve by 18: 760.
- reservation for 18: 740.

Pe-ep'teilt'k', Pima village 26: 23.

Peet, Dr. Stephen D.

- cited 12: 533, 670.
- engagement of, as temporary assistant 12: 19.
- exploration of effigy mound by 12: 98.
- on Galisteo 29: 482.
- on Indian beliefs 11: 520.
- on Jemez 29: 403.
- opinion of, with reference to effigy mounds 12: 532.
- theory of, regarding linear mounds 37: 83.
- work of 7: xvii xviii.

Peet, Timothy, acknowledgment to 17: 147.

Pegall, Creole term for a cover basket 38: § 430, 433, 441-446.

Pegs

- deer horn used as, in Zuñi 8: 111.
- for suspending kiva fuel 8: 121.
- of the Kwakiutl 35: 74 sq., 88, 90.

Pehtuck. *See Klamath.*

Peito, male unit, warrior, etc. 38: § 740.

Pejequde, tent of 13: 273, 274.

Pek symbol in Maya Codex 16: 229.

Pekokalil, application of the term 16: 248.

Pekwin

- altar of 47: 659.
- duties of 47: 512 sq.
- priest of the sun 47: 512, 659.
- retreat of 47: 659.

Pe'kwín, meal painting made by 23: 115.

Pela-Pillaana, meaning of 16: 231.

Pele 33: 295, 303, 638, 644, 645.

Pelican

- a life symbol 36: 85.
- sacred symbol of old age 36: 71.
- Seri method of catching and eating 17: 190* sq.
- Seri use of skin of, in making clothing 17: 171*, 231* sq.
- vision of the aged 36: 84-88.

Pelkamū'lōx Chief, life of 45: 265 sqq.

Pelloatpallah, a Pā'lus synonym 14: 735, 745.

Peloose, a Pā'lus synonym 14: 735.

Pelote, Nahuatl game 28: 94.

Pemabeme, Menomini treaty signer 14: 28.

Pembina 33: 115.

Pembina Chippewa

- land cessions and reservations 18: 828, 862, 936.
- purchase of land for 18: 847.

Pemmenaw, use of, in weaving 13: 23.

Pemmican

- an Indian food 23: xii.
- derivation of 14: 1067.
- Ghost song reference to 14: 991.
- preparation of 14: 1067.
- preparation of, with stone implements 13: 88.
- used by Plains tribes 14: 528.

Pen Mar, Pa., trail through 42: 760.
Peña Blanca, formerly inhabited by the Hano 8: 35.

Peñafiel, Antonio

on a Cempoalan building 25: 241.
 on American cavern symbol 16: 223.

on name Nautzinlan 25: 260.

on Seri name 17: 95.

on symbolism of *Zacalla* 16: 244.

Penalty Wi'-gi-e 39: 47 *sqq.*, 51 *sq.*

Pe'nä'nde, a Comanche band 14: 1045.

Peñasco Blanco

method of roof construction at 8: 150.

occurrence of upright stone slabs at 8: 148.

Pe'nätēka or Pénätēka

a Comanche division or band 14: 1045; 17: 162, 164.

Ghost dance among the 14: 901.

habitat of the, in 1860 17: 308.

migration of the 14: 1044.

Penates, Siouan 11: 475.

Pend d'Oreille

account of the 14: 731.

association of, with other tribes 45: 319 *sqq.*

bands of 45: 311 *sq.*

basketry of the 41: 141, 154, 155.

characteristics of the 45: 325.

country occupied by the 45: 308.

dialect of the 45: 303.

games of the 24:

hoop and pole 490.

shinny 632.

stick games 250.

Indian names for the 45: 296, 297, 299.

intercourse of, with other tribes 45: 323.

land cessions and reservations 18: 808 *sqq.*, 856, 858.

land treaty with the 14: 731.

list of chiefs of the 45: 377.

location of the 45: 37.

main seat of the 45: 311, 312.

name of, in sign language 45: 145.

origin of the name 45: 296.

past habitat of (about 1890) 14: 805.

population of, about 1805 45: 314.

present day population of 45: 315.

Pend d'Oreille—Continued

region evacuated by the 45: 319.

tradition of the 45: 321.

tribal sign for the 1: 473.

wars of, with Coeur d'Alène 45: 121-124.

Pendants

beads used as 2: 230.

classification of 2: 255, 267.

engraved 2: 267, 305.

for needlecases, Eskimo 18: 104.

forms and sizes of 2: 255, 258, 261, 263.

found in St. Vincent area 34: 122 *sq.*

historic use of 2: 255, 268.

illustrated by Lafitau 2: 257.

illustrated in De Bry 2: 257.

illustrated in Mexican paintings 2: 257.

illustrated in sculptures of Mexico and Yucatan 2: 258.

importance of, in evolution of art 2: 255.

jadeite 34: 75.

mention of 25: 109, 192; 34: 114.

of bone 44: 136 *sq.*

of sea-lion tooth 44: 137.

of shell 2: 209, 255.

of stone 34: 232 *sq.*; 44: 103.

of the Atlantic coast 2: 258.

origin of use of 2: 255.

ornamental notching of edges of 2: 262.

perforations of 2: 255, 261.

plain, of the Atlantic coast 2: 258.

plain, of the Pacific coast 2: 260.

stone, Casa Grande 28: 131.

to necklaces 45: 82.

various uses of 2: 255, 261, 267.

Pendleton Town Site, sale of land for 18: 805.

Peneda, Alonzo Alvarez de, expedition of 25: 274.

Penelakut, hand game of the 24: 301.

Penelope. *See* Marudi.

Penetration of arrows 14: 280.

Pénicaud, —, Osage mentioned by 15: 192.

Penishka, Jack, assistance rendered by 33: 46.

Penn, T. G., describes Penn belt 2: 259.

- Penn, W.**, on head ornaments to denote marriageability 13: 126.
- Penn, William**
 charter granted to 18: 551.
 Indian policy of 18: 592 *sqq.*, 597, 599.
 treaty with Delawares by 19: 497.
- Penn Wampum Belt**
 history of 10: 231.
 mention of 6: 233.
- Pennacook**
 language, classification of 28: 290.
 plummet-like sinkers of the 13: 111.
- Pennant, T.**, on Quivira 29: 566.
- Pennant, Thomas**, quoted on magic knots 9: 569, 578.
- Penney, Capt. C. G.**, appointment of, as Indian agent 14: 887.
- Pennsylvania**
 blending of Iroquoian and Algonquian wares in 20: 175.
 butterfly gorgets from 13: 123.
 designs from vases from 20: 171.
 explorations in 12: 494-503.
 field work in 27: 7.
 Indian policy of 18: 569, 591-599.
 Indians of, bark stripping by 13: 109.
 Monongahela City, mounds and graves near 12: 496.
 Monongahela Valley, ancient works in 12: 499-503.
 occurrence of exotic decoration in 20: 176.
 petroglyphs in 10: 106-113, 678.
 pictographs in 4: 20, 158, 224 *sq.*, 226 *sq.*
 pipes of 20: 45, 173.
 pottery of 20: 21, 165 *sqq.*
 relation of pottery of, to that of the Northwest 20: 194.
 researches in 29: 10.
 shaft rubber from 13: 126.
 stemmed flint from 13: 155.
 western, trail in 42: 749.
 work in 7: xviii; 8: xxii *sq.*
See also Potomac-Chesapeake Province.
- Penny, —**, cited 6: 425.
- Penny River**, site at 46: 90.
- Pennyroyal**
 medicinal use of 43: 265.
 native American 14: 517, 528.
 rough 33: 112.
- Penobscot Families**, territory held by 43: 170.
- Penobscot Indians**
 games of the 24:
 dice games 84.
 racket 571.
 ring and pin 528, 529, 541 *sq.*
 snow-snake 406 *sq.*
 notice of direction by 10: 338 *sq.*
 peace made by, for absent tribes 43: 174.
 pictographs by, examined 10: xii.
 possible union of, with Wawenock 43: 171.
 present home of 43: 169.
 reference to the 28: 290.
 sale of land by the 18: 609, 611.
 tribal emblem of the 10: 379.
- Penobscot Language**
 description of 28: 280 *sq.*, 282 *sq.*, 284, 285, 287, 289, 290.
 examples in comparison with 28:
 Abnaki 239.
 Algonkin 267.
 Cree 238, 267, 269, 279.
 Delaware 267, 269, 279.
 Eastern Algonquian 269.
 Fox 239.
 Kickapoo 267.
 Malecite 269, 279.
 Menominee 238, 267.
 Montagnais 267, 279.
 Ojibwa 238, 267, 269, 279.
 Ottawa 267.
 Passamaquoddy 239, 267.
 Peoria 239, 267, 269.
 Sauk 267.
 Shawnee 239, 267.
 indicative mode in 28: 269.
 material on, reference to 43: 177.
 vocabulary of, obtained 10: xvii.
- Penobscot River**, abundance of pottery on 20: 179.
- Penoname**, Menomini treaty commissioner 14: 21.
- Pensacola**
 derivation of the name 42: 683.
 otter skin mantles from 42: 682.
 Spanish possession of 19: 68.
 trails from 42: 828.
 treaty of 18: 560.
- Pensacola Bay**
 pottery of 20: 105 *sq.*

Pensacola Bay—Continued

resemblance of Florida Peninsula
pottery to that of 20: 128.

westward extension of Florida and
Appalachian ware to 20: 104.

See also **Mobile-Pensacola**.

Pentaclethra, timber for firestick 38:
§ 1.

Pentagonal Mesh, in weaving 38:
§ 110.

Pentstemon

species of, used medicinally 42: 667.
use of 45: 467, 468, 493, 515.

Pentstemon Confertus 45: 473,
493.

**Pentstemon Confertus Coeruleo-
Purpureus** 45: 467, 476, 493.

Pentstemon Douglasii 45: 465,
468.

Pentstemon Grandiflorus 33: 114.

Pentstemon Scouleri 45: 465, 515.

Peon

hand game of 24: 267.

played by the 24:

Kawia 310.

Mission Indians 326.

Mohave 327.

Papago 295.

Saboba 313.

Tobikhar 314 sq.

Yuma 327.

People, Serian and Yuman names for
17: 321*-324*.

People of One Fire, use of the term
42: 250.

Peoples

concerned 20:

Eastern United States pottery 21
sq.

explanation of difference between
northern and southern pottery
by 145.

Florida Peninsula pottery. 115 sq.,
128.

Gulf Coast pottery 104, 105.

Iroquoian pottery 159, 164, 165.

Lower Mississippi Valley pottery
102.

Middle Atlantic Coast pottery
146, 150, 152 sq., 158.

Middle Mississippi Valley pottery
81 sq.

New Jersey-New England pottery
178, 179.

Peoples—Continued

concerned 20—continued

Northwestern pottery 187 sq.,
195, 197-200.

Ohio Valley pottery 183, 184, 186.

South Appalachian pottery 130,
131 sq., 137, 139, 142-145.

Southern and Northern pottery
145 sq.

stamped ware 122.

value of pottery in study of history of
20: 18, 19, 21 sq.

See also **History**.

Peoria

culture hero of 40: 375.

land cessions and reservations 18:
672, 742, 794, 842 sqq., 930.

population of the 7: 50; 19: 1108,
1110.

Peoria Bottom, Dakota, Sans Arc
dirt lodges at 4: 109.

Peoria Language

certain forms in 28: 239.

conjunctive mode in 28: 234, 245,
260, 261, 265, 267, 268, 269, 273.

consonantic clusters in 28: 283.

description of 28: 261 sq., 265-269,
270 sqq.

dictionary and grammar, prepara-
tion of 24: xx; 25: xix.

dictionary, manuscript of 29: 23.

examples in comparison with 28:

Abnaki 238, 239, 283, 284.

Algonkin 233, 250, 251, 259, 260,
261, 265, 267, 268, 269, 273.

Cheyenne 233, 234.

Cree 238, 239, 243, 244, 245, 247,
251, 252, 256, 257, 261, 262, 265,
267, 269, 274, 278, 279, 283, 284,
288.

Cree-Montagnais 259.

Delaware 238, 239, 256, 257, 261,
265, 267, 268, 275, 277, 279, 284.

Eastern Algonquian 257, 269.

Fox 238, 239, 244, 245, 251, 256,
257, 259, 260, 261, 262, 265, 267,
269, 274, 275, 278, 279, 283, 284,
288.

Kickapoo 259, 267.

Menominee 238, 244, 250, 251,
257, 259, 261, 262, 265, 267, 279,
283.

Micmac 238, 256, 260, 279, 284,
288.

Peoria Language—Continued

examples in comparison with 28—
continued

Montagnais 278, 279.

Moose Cree 262.

Natick 233, 238, 239, 250, 251,
265, 273, 274, 279.

Ojibwa 238, 239, 244, 247, 250,
251, 256, 257, 259, 261, 262, 267,
269, 274, 275, 278, 279, 283, 284.

Ottawa 250, 251, 252, 259, 260,
261, 262, 265, 267, 268, 269.

Passamaquoddy 239, 267, 273,
277, 283.

Penobscot 238, 283.

Potawatomi 259, 262, 265, 268,
269.

Sauk 259, 267, 288.

Shawnee 238, 239, 256, 257, 259,
261, 262, 265, 267, 269, 273, 274,
277, 278, 279, 283, 284.

Stockbridge 238, 284.

grammar and vocabulary of 23:
xviii, xxxvi.

independent mode in 28: 259, 265,
269.

indicative mode in 28: 259, 273.

participial mode in 28: 245.

relationships of 28: 233, 238, 289,
290b.

study of the 14: xli; 15: xxiii,
xxvi, xxxi, xxxv, xxxix, xliv,
xlx, lxi, lxxxii.

subjunctive mode in 28: 245, 260,
265, 268, 269.

Pepinawaw. *See* **Peepinohwaw.**

Pepo Foetidissima 33: 116.

Pepo Maxima 33: 118.

Pepo Pepo 33: 117.

Pepper, George H.

acknowledgment to 36: 73.

quoted on specimens from St. Vin-
cent 34: 116.

Pepper

burning of, for defense 30: 293.

drinking of, at captaincy ordeal 38:
§ 745.

increase of, belief concerning 30:
269.

occlusion of vision by 30: 298 *sq.*,
300, 301.

used in ordeals 30: 310.

See also **Chile.**

Pepper-pot

mention of 38: § 163.

preparation of 30: 303.

Peppergrass, medicinal use of 43:
265.

Peppermint, medicinal use of 43: 265.

Pequot Indians

account of 18: 613.

band of, at Scatticook 43: 211.

extermination of 43: 207.

linguistic affinity of, with Mohegan
43: 208.

petition for English protection by
18: 617.

population of the 43: 213.

proportion of, among Mohegan 43:
207 *sq.*

relation of, to Mahican 43: 215.

significance of the name 43: 218.

synonymy for 43: 221.

warlike character of the 43: 218.

See also **Mohegan.**

Peranium Decipiens 45: 492.

Perch

cutting of 35: 410.

fishing of 35: 183.

Koskimo manner of cooking 35:
411.

Kwakiutl manner of cooking 35:
411.

mention of 35: 410-413.

roasted 35: 413.

trap for 35: 159.

Perch Disease, symptoms and treat-
ment of 42: 647.

Perch-Oil

for mixing paint 35: 94.

mention of 35: 633, 657, 666, 671,
679, 704.

polishing wood with 35: 148.

Percussion Musical Instruments
38: § 573-581.

Perdido Bay

pottery of 20: 105, 106 *sq.*

pottery of, resemblance of, to that of
Choctawhatchee Bay 20: 108.

Perea, E., Southwestern missionaries
brought by 13: 327.

Perea, Estevan de, on Acoma 29:
545.

Peresianus Codex

cauac day symbol in 16: 259.

chuen symbol in 16: 241.

Peresianus Codex—Continued

- eb* symbol in 16: 243.
- ix* symbol in 16: 248.
- kan* symbol in 16: 226.
- mention of 3: 19.
- oc* symbol in 16: 239.

Perez, —, on calendars 3: 38, 40.

Perez, Alonzo, companion of Coronado 14: 597.

Perez, Joaquin, on areito 25: 69.

Perez, Don Juan Pio

- on formation of Mayan number names 19: 866.

on meaning of 16:

chacbolay 226.

chicchan 230.

choah 234.

chuc 232.

edznab 259.

hchom 225.

hok 241.

ikel 220.

kankanil 228.

lemba 236.

len 235.

mech, ixmech 213.

pokchetah 247.

tok 232.

tzac 241.

quoted by Brinton on Mayan numerals 19: 891, 892, 894.

quoted by Goodman on Copan inscriptions 19: 784.

Perez, Melchior, mention of slave of 14: 592.

Perez de Bocanegra, Hernand(o), testimony of 14: 596.

Perez de Ribas, Andres. *See* Ribas.

Perezia Wrightii, Pima styptic 26: 80.

Perforated Stones

description of 13: 98.

mention of 34: 148 *sq.*

use of, as buttons 13: 115.

Perforated Tablets. *See* Tablets.

Perforation

of cheeks 38: § 504.

of lips 38: § 503.

of nasal septum 38: § 505.

of objects of shell 2: 216, 220, 223, 227, 236, 262.

of prepuce 38: § 507.

of tongue 38: § 853, 924.

See also Bases; Walls.

Perforators

described and figured 13: 164.

discussion of 15: 85.

produced by flaking 15: 26.

Perfumery. *See* Perfumes.

Perfumes

grass used as 14: 823.

lady's bouquet 33: 115.

meadow rue 33: 80.

pectis used for 30: 83.

plants used as 33: 59.

prickly ash 33: 98.

sweet grass 33: 66.

use of 45: 86.

wild columbine 33: 82.

Pericarps, use of, in fish-poison balls 38: § 211.

Perigniac 46: 169.

Period

mark of, in sign language 1: 368.

symbols in Mayan chronology 22, i: 222 *sq.*

See also Catamenia; Chronology; Menstruation.

Periodic Conjugation, law of 17: 161* *sq.*

Periwinkle Disease, symptoms and treatment of 42: 647.

Periwinkles

aseveryday food 41: 608.

basketry design of 38: § 445.

eaten 38: § 221.

shells of, in graves 41: 530, 541, 543, 549, 608.

Perizoma, loin cloth 38: § 548.

Perkins, E. T., work of 18: xxix.

Perkins, G. H.

exploration of Iroquoian province by 20: 159.

on Iroquoian pottery from Lake Champlain region 20: 168 *sq.*

on stone implements at Lake Champlain 13: 63.

on turtleback caches in Vermont 13: 137.

shell beads illustrated by 2: 224.

Perley, Susan, information furnished by 24: 49, 50.

Permanence of signs 1: 329.

Peromyscus, eaten by Pima 26: 158-163.

Perrault, Jean Baptiste, on importance of wild rice to fur traders 19: 1102.

Perrine, F. M., shell gorgets belonging to 2: 270.

Perrine, T. M.

ancient works described by 12: 155.

cited 12: 699.

excavations by 12: 158, 161.

pot found by 12: 142.

Perrot, Nicolas

lacrosse game in honor of, Miami 24: 569.

on Assiniboin habitat 15: 191.

on Assiniboin sowing wild rice 19: 1057.

on Assiniboin use of wild rice 19: 1055.

on Dakota occupancy of wild rice country 19: 1045 sq.

on dice games, Hurons 24: 107.

on Kickapoo and Maskotin 19: 1107.

on racket, Hurons 24: 588, 589.

on stick games, Hurons 24: 241 sqq.

quoted on magic powder of Indians 9: 514.

Perry County, Ohio, flint in 44: 512.

Perryman, Joseph M., head chief 42: 331.

Perryman, Legus

acknowledgment to 42: 32.

head chief 42: 331.

information furnished by 42: 73, 110, 126, 146, 192, 226, 285, 286 sq.

legends told by 42: 52 sq.

Perryville 46: 188.

Persea Gratissima. *See* **Pear, Avocado.**

Persians, mortuary customs of the 1: 103, 104.

Persimmon

myth concerning 19: 278.

wide use of 42: 692.

Person, pictures on the 4: 61-78.

Personal Adornment

by the Eskimo 18: 44-63.

by the Siouan Indians 15: 169.

regulations for, Wyandot 1: 64.

See also **Adornment; Body Painting; Facial Painting; Ornaments; Painting.**

Personal Designations 4: 168.

Personal Law of the Omaha 3: 364.

Personal Names

derivation of 45: 379.

discussion of 45: 159 sqq.

in Menomini myth 14: 165, 166.

of the Guiana Indians 38: § 881.

of the Tewa, reference to 29: 56.

pictographs for 4: 169-173.

Shawano note on 14: 683.

See also **Names.**

Personal Pronouns, Arapaho 28: 236.

Personification, development of 19: LXXXVII sq.

Perspective, development of 19: LXXVI.

Perspiration

how induced by the Zuñi 30: 53.

See also **Sweat.**

Perthes, Boucher de, investigations on 15: 15.

Peru

absence of characteristic decorative designs of, in Middle Mississippi Valley pottery 20: 86.

Alvarado's expedition to 14: 352.

character of pottery of 20: 20.

collection of relics from 3: 508-511.

collections from 30: 22.

frequent occurrence of bottle-shape in 20: 86.

masks from 3: 103 sq.

occurrence of head-shaped vessels in 20: 87.

occurrence of vessels with arched handles in 20: 94.

pictographs in 4: 45.

primitive trephining in 16: 3-72.

range of form of pottery of 20: 85.

researches in 30: 11.

Peru, Iowa, mounds near 5: 31.

Peruke Feather Crowns 38: § 518.

Peruvian

belief of Messiah 14: 660.

characters connected with signs 1: 371.

obsidian working 13: 172.

relics presented by George Hurlbut 5: xxxvi.

use of perforated stones 13: 98.

Peruvians, Ancient, illustration of ornamentation by 6: 211, 212, 214, 228, 230, 231, 235, 236, 237, 242, 243, 248.

Pescado

- a Zuñi summer village 13: 206, 261; 16: 92, 156.
- comparison of, with Kintiel 8: 91.
- corral walls at, how constructed 8: 147.
- description of 8: 95 *sq.*
- fragment of stone close in steps of 8: 193.
- outside steps at 8: 160.
- ovens at, described and figured 8: 165 *sq.*
- pottery 4: 494.
- springs, poisoned by the Zuñi 13: 331.
- stone inclosure in court of 8: 214.
- Peschel, O.** 46: 330, 333, 335, 371.
- Pe'shät'silo'kwe.** *See* **Cimex Fraternity.**
- Pesheu's Village,** location of 37: 51.
- Peso.** *See* **Pacer.**
- Pestles**
 - and mortars, Giuana Indian 38: § 380 *sqq.*
 - Antillean 25:
 - general description of 99-105.
 - in connection with three-pointed stones 128.
 - wooden 210 *sq.*
 - Casa Grande 28: 128.
 - comparison of, from different areas 34: 263.
 - described and figured 15: 103.
 - description of 13: 87.
 - development of 20: xv.
 - distribution of 15: 141, 142.
 - for crushing food, Eskimo 18: 73.
 - for preparing snuff, Eskimo 18: 272.
 - found at Little Falls 15: 68.
 - found in Lesser Antilles 34: 228.
 - from Guadeloupe 34: 134, 154-158.
 - from St. Vincent region 34: 112 *sq.*
 - from Trinidad 34: 74 *sq.*
 - how finished 15: 26.
 - mention of 44: 79-82.
 - of the Menomini 14: 257.
 - of the Omaha 13: 276.
 - of the Porto Rico area 34: 220, 226-229.
 - or crushers used in Pueblo mortars 8: 212.
 - plummet-shaped stones used as 13: 111.

Pestles—Continued

- stone, mention of 45: 41, 217.
- used among Northern Indians 11: 280, 302.
- variations of 34: 74.
- See also* **Grinders; Mortars.**
- Petâ'ikuk,** Pima village 26: 22.
- Petalostemum Candidum** 33: 94.
- Petalostemum Purpureum**
 - mention of 34: 94.
 - use of 44: 291, 338.
- Petatlan or Petlatlan**
 - description of 14: 514, 538.
 - description of, by Jaramillo 14: 583.
 - description of Indians of 14: 568, 572.
 - friendly Indians at river of 14: 548.
 - Indian from, captive and interpreter at Cibola 14: 563.
 - Indian settlement in New Galicia 14: 355.
 - river of, in Sinaloa 14: 348.
- "Pet-chi-é-ri"** 1: 200.
- Peteatlan.** *See* **Petatlan.**
- Peten,** number names of 19: 862.
- Peter Martyr**
 - as a historian 25: 19 *sq.*
 - on Antillean *zemis* 25: 55, 56, 57, 58, 140.
 - on gods of Haitians 25: 67.
 - on Haitian creation legends 25: 74.
 - on Haitian idols 25: 146.
 - on sentiments of Antilleans 25: 32.
- Petermanns Mitteilungen,** cited 6: 409, note.
- Peters, Edward,** on composition of wild rice 19: 1080 *sqq.*
- Peters, Jim,** reference to 40: 501, 549.
- Peters, Joe**
 - reference to 40: 356, 501.
 - syllabary text by 40: 378.
- Peters, Miss Mary Eleanor,** acknowledgment to 42: 830.
- Peters, Sam**
 - reference to 40: 356, 503.
 - syllabary text by 40: 378.
- Peters Family,** reference to 40: 502.
- Petersburg, Va.,** trails 42: 764, 775.
- Peterson, —** 46: 118.
- Peterson, Charles,** acknowledgment to 18: 22.

Petitot, Father Emile Fortuné Stanislas Joseph

cited 6: 412, 516; 46: 329, 333, 371.

description of Eskimo clothing by 9: 120, 123, 129, 138.

description of Eskimo house by 9: 77.

description of Eskimo lamps by 9: 106.

description of method of carrying Eskimo infants by 9: 416.

nomenclature of the Eskimo people by 9: 46 *sqq.*, 51.

on Eskimo amulets 9: 440.

on Eskimo labrets 9: 143.

on Eskimo mode of wearing the hair 9: 140, 141.

on Eskimo sledge shoes 9: 353.

on hand game, Chippewa 24: 272.

on hand game, Kawchodinne 24: 272.

on hand game, Kutchin 24: 272.

on hand game, Takulli 24: 273.

works of, on the Eskimo 9: 24.

Petlatlan. *See* **Petatlan.**

Pe'toⁿ Inikashiha Group, Quapaw 27: 68.

Petrel, among the Tlingit

crest animal 26: 416.

mythological being 26: 416.

name of gaming stick 26: 444.

source of personal names 26: 422.

Petrification

after death, belief in 30: 152.

how regarded by the Hopi 15: 277.

Petrified Forest

near Holbrook, ancient habitations in 22, i: 135 *sq.*

references to 29: 553, 581.

Petrified Wood, Tewa name for 29: 580.

Petrof. *See* **Petroff, Ivan.**

Petroff, Ivan

Eskimo researches of 7: 73.

mention of 46: 124, 130, 131, 132, 133, 177, 181 (spelling given as **Petrof**).

on Eskimo burial 9: 427.

on Eskimo chiefs 9: 429.

on Eskimo wolf-killer 9: 259.

on population of the Koluschan tribes 7: 87.

Petroff, Ivan—Continued

on quoits, Eskimo 24: 723.

work of, consulted 9: 24.

Petroglyphs

at ruined pueblo at Black Falls of Little Colorado River 22, i: 49.

in cliff villages 16: 138.

in Kanawha Valley 42: 756.

in North America 4: 19.

Ketchipauan church 8: 82.

legend of the Tusayan concerning 8: 32.

mention of 45: 283.

near Acoma 47: 131.

near Shawneetown 42: 805.

of Hawaii 33: 627, 653.

or sun symbol at Matsaki 8: 86.

See also **Hieroglyphs; Pictographs;** and names of various places.

Pets in Hopi mythology 15: 266.

Petter, Rodolphe

on certain Cheyenne terminations 28: 233.

on relationship between Cheyenne and Natick 28: 234.

reference to 28: 226.

Pettigrew, F. W.

excavations made by 41: 64.

investigations by 12: 38, 39.

Pettis, Lieut. G. H., on battle of Adobe Walls 17: 316.

Pettit, Lieutenant —, cited on Indian medicine-men 9: 473.

Peucedanum

mention of 45: 478, 479, 482.

seeds of, used as charm 35: 175, 608.

Peucedanum Leiocarpum 45: 479, 483, 484, 494, 503.

Peucedanum Macrocarpum 45: 479, 496, 508, 510.

Peyi, suicide of 17: 354.

Peyote

curative powers of 37: 423.

effect of 37: 389–392.

experiences with 37: 400–414.

Koiwa reverence for 17: 237, 238, 239.

mention of 33: 104 *sqq.*

study of use of 17: L; 18: xxviii, XLIV *sq.*; 19: xv *sqq.*

use of, by Indians 30: 41.

See also **Mescal; Peyote Cult.**

Peyote Cult.

- Arapaho ceremony 37: 415-419.
- connected with teachings of Shawnee prophet 37: 69, 73, 74.
- development of 37: 419-422.
- dissemination of 37: 422 *sq.*
- essential changes made by 37: 295.
- general description of 37: 388 *sq.*
- material on, collected by J. Mooney 41: 56.
- reference to 47: 489.
- reference to belief of 37: 376.

Pfeffercorn, —

- on pinole 26: 67.
- on southern Pima-speaking tribes 26: 29.

Pima words published by 26: 269.

Phacelia Leucophylla 45: 465, 470.

Phacelia Menziesii 45: 468.

Phallic Emblems, appearance of, in representations of Hopi kateinas 21: 72 *sqq.*

Phallic Paintings of the Eskimo 18: 167, 225.

Phallic Proceedings among the Hopi, significance of 21: 24.

Phallic Representations among the Hopi 17: 663.

Phallic Worship, Siouan 11: 456.

Phallicism

- in Antillean pottery specimens 25: 186.
- in forms of idols 25: 54.
- in Indian games 25: 85.
- in pestles 25: 100.
- in ring and pin 24: 529.

Phalon, Peter

- on amounts of wild rice harvested 19: 1077.
- on Ojibwa gathering wild rice 19: 1062.
- on reliability of wild rice crop 19: 1099.
- on threshing wild rice 19: 1069.
- on winnowing wild rice 19: 1070.

Phanoëus Beetle, harbinger of rainy season 38: § 938.

Phaseolus Vulgaris

- mention of 33: 96.
- probable place of origin of 33: 59.

Phaseolus Vulgaris Linn., Pima food plant 26: 76.

Pheasant, myth concerning 19: 285, 288, 289, 290, 455.

Phelps, Oliver, sale of land to 18: 662.

Phelps and Gorman Indian land purchase 14: 21.

Philadelphia, Pa.

- trail from, to Falls of the Ohio 42: 760 *sq.*
- treaty at, in 1791 19: 69.
- treaty at, in 1794 19: 77.

Philadelphia Academy of Sciences

- acknowledgment to 20: 16.
- collections in museum of 20: 105, 165, 184.

Philadelphia Free Museum of Science and Art, pottery in collections of 20: 103, 104.

Philatouchy, Chief 42: 322.

Philip

- king, character of 18: 621.
- king, mutilation of body of 19: 208.
- king of Spain 14: 474.
- king, sale of land by 18: 607.

Philip Family, information concerning 43: 176.

Philippine Islands 14: 545.

Phillips, —

- on ancestry of Sequoya 19: 108, 109.
- on Cherokee syllabary 19: 110, 219, 220.
- on death of Sequoya 19: 148.

Phillips, O. P., moving pictures of Pueblo life taken by 22, i: XIII *sq.*; 23: xvi.

Phillips, William A.

- archeologic experiments by 15: 56.
- Cherokee commissioner to appraise neutral lands 5: 351.

Phillips, W. Hallett

- acknowledgments to 15: 17; 20: 16.
- collections of 15: 72, 88, 99.
- figurine from collection of 20: 156, 157.
- pipes collected by, Potomac Creek site 20: 156.
- quartzite blades found by 15: 79.
- steatite working tools found by 15: 125.

Philology

- comparative, of Indian languages 23: xxxiv *sq.*
- definition of 16: xvii *sq.*

Philology—Continued

- office work in 22, i: xxx-xxxiii.
 - or the science of activities designed for expression 20: cxxxix-clxx.
 - relation of sign language to 1: 349.
 - subject matter of 19: xii.
 - work in 18: xli-xliv; 19: xxv; 20: xx sq.; 23: xxxiv-xxxviii.
- See also* **Language; Linguistics.**

Philosophy

- genesis of 1: 19.
- mythologic 1:
 - ancientism 33.
 - course of evolution of 38-43.
 - ecstatism 36.
 - monotheism 42.
 - mythic tales 37.
 - outgrowth from 33-38
 - physitheism 42.
 - psychotheism 42.
 - regligion 37, 38.
 - spiritism 35, 36.
 - thaumaturgies 37.
 - theistic society 35.
 - tutelarism 41.
 - zoötheism 38, 39, 40.
- of civilization 1: 21.
- of savagery 1: 21.
- of the Menomini 14: lhi.
- of the Zuñi 2: 9; 13: 361.
- primitive, definition of 15: 178.
- stages of 1: 21.

Phinney, Mark, assistance rendered by 44: 7.

Phipps, Sir William, treaty concluded by 18: 609.

Phister, N. P.

- on Ghost dance doctrine 14: 784.
- on Wovoka's father 14: 765.

Phoenix, Ariz.

- Indian boarding school at 26: 62.
- President McKinley's visit to 26: 66.
- railroad extended to 26: 63.
- region about, in Pima mythology 26: 225, 229.
- references to 28: 33, 34, 51, 55, 114, 116, 218.
- temperature of 26: 36, 56.

Phoenix, Cherokee. *See* **Cherokee Phoenix.**

Phonetic

- art of Siouan tribes 15: 168.

Phonetic—Continued

- value of Maya hieroglyphs 16: 205, 218, 223, 224, 235, 237, 238, 239, 241, 242, 247, 249, 253, 254, 255, 257, 259, 261, 263.

Phonetic Key 29: 39 sq.

Phonetic Notes 43: 178, 179, 226 sq.

Phoneticism, application of the term 16: 254.

Phonetics

- Cherokee 19: 506.
 - Fox 40: 44 sq.
 - in Tlingit investigations 26: 395 sq.
 - Siouan 11: 363 sq.
- See also* **Alphabet.**

Phonics, evolution of 20: cxlvi.

Phonograph

- in connection with Omaha music 27: 373.
- in linguistic work 24: xxi.
- use of, in recording Indian music 29: 19.

Phoradendron Californicum, Pima food plant 26: 71.

Phoradendron Flavescens, medicinal use of 42: 659.

Photographic Laboratory, work of 13: xlii.

Photographic work 14: xlviii; 17: li.

Photographs

- anthropometric measurements from 23: xix.
- difficulty in obtaining among Zuñi 23: 463.
- of Casa Grande, comparison of 13: 300.
- of Indians, exhibition of 34: 28.
- of Indians, record of 11: xxxviii.
- of Indians, requests for 34: 28.
- of Indians, Yukon 46: 151.
- of the Ghost dance 14: 654.
- preparation of 16: lxxix.
- taking of, at night 46: 98.
- taking of, of "delegations" of Indians 9: xli sq.

Photography

- report on 30: 23.
- restrictions on 30: 292, 299.

Photo-portraits of Indians, work on 22, i: xxxviii.

Phragmites Communis

mention of 45: 497, 499, 516.

use of 44: 291, 378.

See also Reeds.

Phratries

among the Dakota 15: 221.

and clans, tables of 44: 192.

ceremonies of 20: *cv sq.*

definition of 15: *CXXI*.

discussion of 42: 120-123

divided between moieties 42: 165.

in sign language 1: 479.

of the Iroquois tribes 43: 459.

Omaha 3: 215, 337.

organization of 17: *XXXIII, XXXIV*:

20: *cv*.

relationship between 42: 155.

Tewa, reference to 29: 61 *sq.*

Timucua 42: 156.

Tlingit 26:

account of 398.

division of, at potlatches 435.

history of 407-414.

house names of 421.

influence of racial difference 407.

in mortuary ceremonies 430, 431.

medicine-men belonging to 465.

nature of 423.

transposition of 423.

towns, clans and moieties, tabulation of 42: 158-162.

Tusayan 8: 24, 38.

Phratry

definition of 1: 60, 61.

influence of, on Pueblo architecture 19: 651.

See also Fraternity; Phratries.

Phratry System, Antillean 25: 42.

Phryma Leptostacheya, use of 44: 291, 342.

Phylacteries of the Apache 9: 591 *sq.*

Phyllanthus spp.

fish poison 38: § 213.

protection against Kushi ants 38: § 228.

Physalis Heterophylla 33: 113.

Physalis Lanceolata 33: 113.

Physalis Viscora, medicinal use of 27: 584.

Physic Maker

garden of 42: 444.

See also Doctor; Medicine-men.

Physical Characteristics

Anchorage 46: 37.

Anvik 46: 59.

Coeur d'Alène 45: 40.

Cordova 46: 36.

difference in, carried from Asia 46: 175.

Eskimo 18: 26-29; 46: 358, 359, 364.

Kiowa 17: 171.

Kotzebue 46: 99.

Kuskokwim 46: 67.

Nenana 46: 39.

of British Columbia Indians 46: 23.

of Point Barrow Eskimo 9: 33-39.

Pima 26: 29.

Ruby-Galena 46: 52.

Seri 17: 9, 86, 91, 100, 101, 102, 103, 133*, 136*-163*.

Siouan 15: 185.

Tanana 46: 43.

Tanana Indian 46: 124.

Wainwright 46: 107.

Western Eskimo, living, by former observers 46: 213-228.

Yukon Eskimo 46: 161.

Yukon Indians 46: 150, 151, 161.

Zuñi 23:

albinos among 383 *sq.*

forms of the 383.

measurements made by Dr. Aleš Hrdlička 383, 384.

mention of 383 *sq.*

See also Eskimo; Indians; etc.

Physical Features of Verde Valley 13: *LI*, 189.

Physical Traits, Northern tribes 45: 325 *sq.*

Physical Types of the Southeast 42: 677.

Physiognomy

Eskimo 46: 358, 364.

Western Eskimo, notes 46: 213-228, 240, 250.

Yukon Eskimo 46: 161.

Yukon Indians 46: 151.

Physiological Data, Western Eskimo 46: 247 *sqq.*

Physiology, Eskimo 46: 366.

Phyisitheism, definition of 1: 30, 32; 15: 179, 180; 16: 22.

Phytolacca Americana 33: 78.

Phytolaccaceae 33: 78.

Pi y Margal, Señor, —, on stone collars 25: 169.

Pia, legends concerning 30: 119, 133 *sqq.*

Piai, medicine-men

and the Earthquake People, legend 30: 378 *sq.*

digging his own grave 38: § 728.

mention of 38: § 864, 865.

novitiate of 38: § 862.

origin of 30: 135.

status with chief compared 38: § 743.

See also **Medicine-Men.**

Piänä'vonit, delegate to Washington in 1894 17: 225.

Piankishaw or Panquichas

land cessions and reservations 18: 652, 654 *sqq.*, 662 *sqq.*, 666, 672, 688, 744, 794, 842 *sqq.*

population of, in 1764 19: 1108.

Pianria. *See* **Peoria.**

Piapoco Indians

beliefs of the 30: 242, 297.

diseases among the 30: 347.

menstruation among the 30: 313.

Piaroa Indians

burial customs of the 30: 157.

food laws of the 30: 297.

use of spells among the 30: 155.

Piasa Rock, near Alton, Ill.

definition of the name 10: 78.

description of 10: 77 *sqq.*

Piba Clan

of Cheylon, reference to 28: 139.

original and subsequent homes of 19: 601.

Piba People, former inhabitants of Homolobi 22, i: 24.

Piba-Tabo, Tobacco Rabbit Clan.

advent of, at Walpi 19: 585.

advent of, in Tusayan 19: 626.

census of 19: 602 *sq.*

member of Patki group 19: 596.

Picacho Mountain

evil spirits in 26: 255.

location of 26: 25.

Picard, —, Haitian procession figured by 25: 67.

Picart, Bernard

on Arab divination 9: 584.

on Indian drinking tubes 9: 495.

on Indian labrets 9: 495.

Picart, Bernard—Continued

on Indian medicine-men 9: 457, 512.

on Indian necklaces 9: 488.

on reeds among the Romans 9: 528.

on sacred powders of the Hindus 9: 516.

quoted on cords 9: 556 *sq.*, 558, 559, 561, 563, 564, 576.

quoted on hair powders 9: 535.

Picea Canadensis, use of 44: 291, 362.

Picea Engelmanni 45: 475, 499 505.

Picea Rubra

beverage made from 44: 317.

use of 44: 291, 377.

Picea sp. 45: 483.

Pichacho Mountain, reference to 28: 36, 204.

Pichi, arrowhead 38: § 128.

Pick-me-ups 38: § 281.

Pickaway Plains, Ohio, Shawnee settlement on 42: 785.

Pickawillany, trail through 42: 786.

Pickens, —, survey by 18: 653.

Pickens, Gen. Andrew

commissioner to treat with Cherokee as to boundary 5: 133, 165, 186. expeditions against Cherokee under 19: 59, 60.

home of, at Hopewell 19: 211.

on Shaw's mission 19: 71.

signing of treaty by 19: 61.

Pickerel, Eskimo implements for catching 18: 180, 194, 195.

Pickering, Colonel —, on Cherokee chief among Seneca 19: 353.

Pickering, Charles

mention of 46: 218, 330, 333, 335, 371.

on wild rice in Arkansas 19: 1029.

on wild rice in Florida 19: 1029.

Pickers for pipes, used by Point Barrow Eskimo 9: 67.

Pickett, —

on Chief McGillivray 19: 210.

on Chief Weatherford 19: 217.

on Creek war 19: 90–93, 96.

on defeat of d'Artaguettes 19: 477.

on De Soto's route 19: 193, 195, 196, 197, 198 *sq.*

on Fort Mims massacre 19: 216.

Pickett, A. J., cited 12: 677.

Pickett County, Tenn., remains in 41: 498.

Picks

and stone axes used by the Eskimo

9: 302 *sqq.*, 307 *sq.*

boulders used for 15: 142.

description of 15: 90, 92.

distribution of 15: 142.

Eskimo 18: 75, 78 *sq.*, 174.

ivory, bone 46: 173.

produced by flaking 15: 26.

stone, described and figured 13: 125.

used in working steatite 15: 28, 111, 120, 121, 122, 126, 127.

Picolata, Fla.

fort of 42: 829.

treaty of 18: 561.

Picones, native American fish 14: 517.

Picotte, Dr. Susan La Flesche

assistance rendered by 33: 46.

reference to 27: 625

Pictograph

definition of 4: 13.

on Oraibi-Shumopavi boundary monument 8: 28.

See also **Pictographs.**

Pictograph Rocks

collection from 2: 420.

investigation of 41: 68 *sq.*

Pictographic Records among aborigines 17: 141.

Pictographs

Apache 28: 197, 201.

at Honanki 17: 567, 568.

at or near Casa Grande 28: 148 *sq.*

at Palatki ruins 17: 556.

at Yampai Spring 28: 209.

cave 25: 149, 150, 155-159.

connected with sign language 1: 368.

customs illustrated in 10: 528-550.

general discussion of 25: 148 *sqq.*

heraldic 23: xxiv.

identification of 4: 224-236.

in alphabets 10: 674 *sq.*

in caves near El Paso 44: 9.

in cliff ruins 16: 98, 103, 113, 118, 126, 133, 144, 152, 178-181.

in Ruin 7 33: 174.

in Verde Valley 17: 545.

in Walnut Valley 28: 206, 214.

95719°—33—51

Pictographs—Continued

influence of civilization on 4: 46.

literature of subject 25: 148 *sq.*

near Acoma 47: 131.

near Frog Tanks 28: 216.

near Montezuma Well 17: 548.

near mouth of Black's Canyon 28: 197.

near Palatki 28: 197.

near Prescott 28: 215.

near Schürmann's ranch 17: 550.

occurrence of 42: 756.

of Abnaki and Micmac Indians, examined 10: xii, xiii.

of Awatobi totems 17: 610.

of Guadeloupe 34: 130.

of Indians, discussed 16: xcvi.

of North American Indians 4: 3-256.

of St. Kitts 34: 160.

of St. Vincent 34: 92, 130.

on Awatobi cliffs 17: 626.

on boundaries of dance plazas 25: 149, 150.

on robes 45: 193.

on stone, imitated 10: 218.

Pima, in Santan hills 26: 254.

reading of 46: 412 *sq.*

references to 29: 365, 398, 553.

river pictographs 25: 149-155.

study of 3: xxviii.

See also **Decoration; Hieroglyphs;**

Petroglyphs; Pictograph; Pic-

tography; Picture Writing;

Rock Etchings; Rock Paintings;

and names of various places.

Pictography

among Siouan Indians 15: 168, 176.

contributions to, by studies of pottery from Arizona pueblos 22, i: 69 *sq.*

influenced by civilization 4: 46.

mnemonic, of the Ojibwa 14: 106.

of the Ghost dance 14: 1060.

of the Kiowa calendar 14: 906, 907, 909, 910.

of the Midewiwin 7: 286-289.

of the Ojibwa 9: xxxii.

on gaming wheel 14: 994.

on Ghost dance costume 14: 982.

on Ghost shirts 14: 790, 916.

preparation of monograph on 15: xx, xxiv, xxix, lxvi.

thunder-bird in 14: 969.

Pictography—Continued

work in 11: xxxi; 14: xxxi;

15: xx, xxiv, xxix, lxxxi.

See also Hieroglyphs; Pictographs;
and references.

Pictorial

representation of katchinas 15: 264.

tribal designations 10: 377-388.

Picture Writing

Central American 1: 25.

explanation of 46: 603, 606 sq.

investigations in 13: xxxv.

limitations to the use of, in study of
anthropology 1: 75.

of Indians, notice and summary of
paper on 10: xxvi-xxx.

on bison skin 42: 455.

origin of 20: clxvi sqq.

paper on, by Col. Garrick Mallery
10: 1-807.

use of 46: 421, 603 sqq.

See also Pictographs; etc.

Pictured Cave, near La Crosse, Wis.,

copies made of pictographs at
10: xiv.

Pictures

of katchinas 21:

arrangement of 18.

description of 59.

employment of Hopis to draw 13.

purpose of 15.

variations in, made by different
persons 59.

Picuris

a Tewa village 43: 293.

kivas of 31: 15.

population of 7: 123.

pueblo of, act of Congress affecting
18: 920.

pueblo of, mention of 14: 519.

Picuris Indians

customs of 43: 389-393.

habitat of the 29: 172.

language of 29: 37.

name for Acoma 14: 492.

name for Tewa 29: 576.

name of Taos 14: 575.

pigment used by 29: 175.

pottery of the 29: 195.

sacred mountain of 29: 339.

shrines of the 29: 194, 339.

sun-painting of 29: 191.

Pieda Uta, establishment of reserva-
tion for 18: 825.

Piedmont Region, reconnaissance in
44: 3.

Piedmont-Virginia Pottery 20:
149 sq.

Piedra Pintada Creek, Colo.

mention of 4: 27.

petroglyphs in 10: 72.

Piedra Pintal, description of, by See-
mann 6: 21, 22.

Piedras del Rayo

Antillean "thunder stones" 25: 94.

mention of 34: 175 sq., 251.

Piedras Negras, inscriptions at 19:
788-791.

Piegan Indians or Tribe

Flathead name for the 45: 302.

games of the 24:

dice games 57, 84 sq.

hand game 271.

hoop and pole 447 sq.

stick games 231.

land cessions and reservations 18:

864, 874, 876, 880, 902, 924 sqq.

linguistic investigations among the
28: 225.

name of, in sign language 45: 148.

notice by 10: 356.

territory of the 45: 321.

union of band with Arapaho 28:
235.

Piegan Language

consonantic clusters in 28: 231, 284.

description of 28: 229-232, 290a.

examples in comparison with 28:

Cheyenne 274.

Eastern Algonquin 261, 288 sq.

Fox 256, 261.

Natick 274.

Shawnee 256, 261.

inanimate plural of nouns in 28: 274.

independent mode in 28: 259.

pronunciation of 28: 226.

relationships of 28: 229, 234, 259,
288 sq.

Pierce, F. E., appointed Indian agent
14: 887.

Piercer. *See Perforator.*

Pierette, Rosa, the only Indian ac-
quainted with Ofo language 48:
5.

Piers

of masonry for supporting girders
8: 151.

See also Buttresses.

- Pierson, Rev. Hamilton**, on aboriginal Antillean dance 25: 69.
- Pigeon**
 a man-being in Iroquoian cosmology 21: 304.
 in Menomini myth 14: 233.
 myth concerning 19: 280.
 white, legend of 32: 694.
- Pigeon Clan**, of little importance 37: 220.
- Pigeon Hawk**
 characterization of 37: 441.
 offering to 37: 429, 503.
- Pigeon Hawk Clan**
 with the Patuñ clan 19: 595.
See also Kele Clan.
- Pigeon Hunt**, description of 37: 113.
- Pigeon River, Tenn.**, collection of relics from 3: 440.
- Pigeon Roost Creek**, origin of the name 42: 818 sq.
- Pigeon Songs and Dances**, origin of 32: 663.
- Pigment**
 black 38: § 30.
 found at Awatobi 17: 618.
 found at Sikyatki 17: 728, 729.
 how applied by the Hopi 17: 650.
 Indian, analysis of 11: 142.
 red 38: § 28, 29.
 red, Tewa name for 29: 582.
 white 38: § 32.
 yellow 38: § 31.
See also Paints; Pigments.
- Pigmentation, Eskimo** 46: 358, 364.
- Pigments**
 as offerings 47: 281.
 burial of, by ancient Indians, sacrificial nature of 22, i: 96.
 Casa Grande, description of 28: 101, 126 sq., 130.
 ceremony of securing 47: 320 sq.
 deposits of 29: 113, 175, 552, 581.
 pieces of, found in Pueblo ruins 22, i: 96, 184.
 used by Hopi in painting katchina pictures 21: 14.
 used in painting masks 47: 859-862.
See also Colors; Mineral Paints; Ocher; Painting; Paints; Pigment.
- Pigmies; Pigmy.** *See Pygmy; Pygmies.*
- Pigtail Headdress**, for men 38: § 515.
- Pi-gummi Ovens** of Mashongnavi 8: 163.
- Pigweed, Winged**
 used to confuse enemy 30: 84.
See also Amaranthus.
- Pihol; Piholt**, signification of term 26: 79, 265.
- Pija** day symbol, discussion of 16: 243.
- Pikachi**, hoop and pole game of the 24: 482 sq.
- Pike, Gen. Albert**
 as to Pin society 5: 325.
 Cherokee commissioner for Confederate States 5: 326, 327, 328, 329.
 linguistic material of 30: 18.
 Natchez vocabulary of 15: xl.
 terms of relationship recorded by 42: 91, 92.
 treaty negotiated by 19: 148.
- Pike, Gen. Zebulon Montgomery**
 on Cochiti 29: 440.
 on Dakota use of wild rice 19: 1046.
 on dependence of Northwest Fur Company on wild rice 19: 1103.
 on dice games, Pawnee 24: 101 sq.
 on hoop and pole, Pawnee 24: 465.
 on Indian population in 1806 19: 1109.
 on influence of wild rice on geographic nomenclature 18: 1123, 1124.
 on James Pursley 17: 171.
 on Kiowa in 1803 17: 167.
 on Kiowa language 7: 84.
 on Laguna 29: 541.
 on Nambé Pueblo 29: 358.
 on Picuris 29: 193.
 on popular synonym for wild rice 19: 1023, 1024.
 on population of Sauk and Fox 19: 1051.
 on San Felipe 29: 500.
 on Sandia 29: 526, 527.
 on Sia 29: 518.
 on Taos 29: 182.
 on the habitat of the Comanche 7: 106.
 on time of year when Dakota consume wild rice 19: 1087.

- Pike, Gen. Zebulon Montgomery**—
Continued
on Winnebago villages in 1811 15: 111.
quoted on the Menomini 14: 34.
quoted on Tomau 14: 54.
treaty concluded by 18: 669.
visit of, to the Osage 36: 44.
- Pike County, Ill.**, mounds in 5: 39.
- Pike County, Mo.**, mounds in 5: 43.
- Pike County, Ohio**, mounds in 44: 495-505.
- Pike's Peak**, gold rush to 17: 177.
- Piketon**, mounds near 44: 495-498.
- Pikeville Mounds**, trail to 42: 838.
- Piki**
or guyave oven 8: 173 *sq.*
stone, process of making 8: 175.
See also Paper Bread.
- Pikmiktalik**
description of 18: 246.
implements from 18: 162.
legends from 18: 442, 480 *sq.*
mention of 46: 199.
transportation apparatus from 18: 228.
- Pikoikaalala** 33: 301, 326, 641.
- Pilback, L.** 46: 48.
- Pile Dwellers**, character of pottery of 20: 127 *sq.*
- Pile Dwellings**
of British Guiana 38: § 314-317.
of Cuba 34: 253.
- Pilgrimage, Beltrami's**, cited on Dakota 4: 104.
- Pilgrimages to home of the gods** 47: 520, 538.
- Pilgrims**
breaking up of party 23: 159, 160.
mountains ascended by 23: 154.
procession of 23: 159.
to Ko'thluwala'wa, description of 23: 153.
to Ko'thluwala'wa, procession of 23: 153, 154.
- Pilingmiut Eskimo Tribe**, situation of 6: 444.
- Pillager Chippewa** land cessions and reservations 18: 780, 802, 804, 826, 830 *sq.*, 936.
- Pillar Stones** 25: 152, 175-178; 34: 161.
- Pilling, James Constantine**
acknowledgment to 7: 142.
- Pilling, James Constantine**—Con.
aid of, in paper on labrets and masks 3: 151.
bibliographic work of 11: xxiv, xxxiv; 14: xlii, xlviii, xlix; 16: xxi, xxii, xxv, xxvii, xxviii, xxxix, xli, xlv, xlix, lxxxvii.
bibliography of North American languages by 1: xv; 3: xxvi; 6: xxiv *sq.*
continuation of work of 18: xcvi.
contributor to Bureau 48: 1189.
death of 17: lv.
memoir of 17: lix-lxii.
obituary of 48: 1221.
office work of 6: xlv, xlvi.
on Cherokee literature 19: 112.
on Cherokee schoolbooks 19: 151.
on Cherokee syllabary 19: 110, 220.
on Jones and Wafford 19: 108.
on Rev. S. A. Worcester 19: 108, 148, 218.
preparation of linguistic bibliography by 5: xxxv.
retirement of 16: xlix.
summary of work of 15: lxxxvii.
work of 2: xxi; 3: xxvi; 7: xxx, xxxi, xxxvi, 142; 8: xxiv; 9: xxxvii *sq.*; 10: x, xx; 13: xli; 15: xxiii, xxvi, xxxi, xxxv, xl, xli, xlv, xlvi, xlix, liv, lxi, lxviii.
- Pillows of the Omaha** 13: 275.
- Pilot Knob**, myths concerning 19: 330, 341 *sq.*, 343 *sq.*, 480 *sq.*
- Pilot Station Crania**
basiofacial diameters 46: 279-282.
dental arch 46: 276.
facial 46: 266.
facial angle 46: 285.
means 46: 286.
mention of 46: 256, 257, 259, 262, 263.
nose 46: 268.
orbits 46: 274.
skulls 46: 162.
- Pilot Weed**, mention of 33: 132.
- Pim, Captain** — 46: 341.
- Pima**
absence of Ghost dance among the 14: 805.
ancient culture of the 28: 62.
as workmen at Casa Grande 28: 37.
attitude of, toward pictographs 28: 149.

Pima—Continued

- ball game of the 28: 147.
- basketry, collection of 22, i: xxxix.
- basketry of the 28: 147.
- calendric records of the 23: xli.
- Casa Grande built by the 13: 319.
- cultivation of cotton by the 14: 350.
- dwellings of the 28: 39, 97, 113, 154, 155, 156.
- face painting of the 28: 145.
- fear of Casa Grande of the 28: 34.
- Friar Marcos among the 14: 556.
- games of the 24:
 - archery 389.
 - ball race 666, 671 sq.
 - dice games 148-152.
 - double ball 648, 660.
 - hand game 267, 295 sq.
 - hidden ball 339, 355 sq.
 - hoop and pole 489.
 - quoits 724.
 - ring and pin 528, 551 sq.
 - running races 806.
 - shuttlecock 717.
- granaries of the 13: 246.
- illustration of ornamentation by 6: 220.
- inhumation among the 1: 98, 99.
- katechins among Hopi 21: 17, 18.
- kicking-ball game of the 28: 94.
- land cessions and reservations 18: 820, 888, 894 sqq., 906, 914, 922.
- lava rings used by the 28: 130.
- legends of the 28: 35 sq., 42-52, 61 sq., 63 sq., 65.
- meaning of name 26: 19 sq.
- mortuary customs of the 28: 109, 117, 118.
- myths of the Water people of Tusa-yan concerning the 8: 32.
- names for Casa Grande 28: 33.
- number names of the 19: 868, 929.
- observations among the 26: xix sq.
- on use of wooden implements 28: 146.
- opinion of the, as to ancient stone inclosures 8: 216.
- origin of the 28: 71, 152, 153, 154.
- population of the 7: 99.
- pottery of the 28: 141, 147.
- quartz crystals used by the 28: 130.

Pima—Continued

- references to 28: 54, 57, 58, 70, 115.
- relationships of 28: 71, 217.
- researches among the 24: xx sq.
- Russell's monograph on 28: 42.
- sleeping mats of the 28: 99.
- stone implements of the 28: 123.
- study of industries of 23: xiii.
- study of the 15: xxix.
- swastika among the 28: 139, 140.
- technologic specimens collected from the 23: xli.
- use of *Datura* by the 30: 41.
- See also* Southern Pima.
- Pima Alta**, a division of the Piman family 7: 98.
- Piman Arts**, specimens of 26: 17 sq.
- Piman Stock**
 - mention of 7: 98.
 - tribes of the 24:
 - Opata 146, 631, 670.
 - Papago 146, 295, 353, 659, 670, 794.
 - Pima 148, 295, 355, 389, 489, 551, 660, 671, 717, 724, 806.
 - Sobaipuris 806.
 - Tarahumare 152, 389, 631, 672, 724.
 - Tepehuan 153, 660.
 - Zuaque 154, 356, 631, 678.
- Piman Synonymy**, preparation of 15: xxxiv.
- Pimas Gileños**, = *Pima*, described by Font 26: 29 sq.
- Pimentel, Francisco**, *Conde de Heras*
 - linguistic literature of 7: 21.
 - on Indian medicine-men 9: 593.
 - on meaning of name Seri 17: 95.
 - on Opata numerals 19: 911.
 - on Santo Domingo 29: 448.
 - study of Seri language by 17: 101 sq., 296*, 299*.
- Tzental paternoster given by 16: 263.
- Pimeria**
 - American trappers in 26: 81.
 - antelope in 26: 81.
 - climate of 26: 58, 65.
 - eclipses visible in 26: 61.
 - explanation of the term 26: 76.
 - irrigation in 26: 86-89.
 - mice and rats in 26: 80.
 - reference to 28: 56.
 - shrines of 26: 118.

Pimos, corrupt form of Pima 26: 19.

Pin

decoration of Catawba pipes with 20: 55.

of yew wood, for blanket 35: 118.

See also Pins.

Pin Indians. *See Ketoowah Society.*

Pin Society of the Cherokee 5: 325.

Pinaceae 33: 63.

Pinal Apache, disposal of land claimed by 18: 922.

Pinal Leñas, reference to 28: 217.

Pinals in fight at "Bloody Tanks" 26: 51.

Pinart, Alphonse L.

Antillean skulls found by 25: 29.

cited 6: 14, 15, 20, 22; 46: 234.

collection made by 34: 167.

on clay idol from Santo Domingo 25: 187.

on deformed legs of Antilleans 25: 144.

on Dorasque, Cuna and Choco numerals 19: 917.

on elbow stone 25: 173 *sq.*

on Guaymi and Guaymi Sabanero numerals 19: 916.

on masks of Shumagin Islands 3: 140, 143.

on pictographs 4: 30, 40.

on Piman burial 1: 98.

on Porto Rican pictography 25: 148 *sq.*

on Quekchi number names 19: 864, 901 *sqq.*

pictographs reported by 10: 62.

Porto Rican caves explored by 25: 87.

Seri vocabulary obtained by 21: xxv.

study of Seri languages by 17: 106 *sqq.*, 296*, 299*.

Pinart Elbow Stone 34: 206.

Pinawa, description of 8: 86, 88.

Pincers, use of, in arrow-chipping 13: 140.

Pinching

decoration by, Eastern United States pottery 20: 73, 118.

See also Fingernails; Fingers.

Pinchney, —, on Cherokee attitude in war of 1812 19: 89.

Pinckard, G., cited 30: 232, 332, 334.

Pinckley, Frank, resident custodian of Casa Grande 28: 34, 37, 86.

Pinckley Collection from Casa Grande 28: 120.

Pine

appearance of, in pictures of Hopi katchinas 21: 64, 79, 82, 83, 100, 102, 113.

black, use of, as food 45: 483.

boughs, application for removing disease in Navaho ceremonies 8: 247, 250.

boughs, disposition of, after ceremony 8: 248, 251.

knots, Cherokee use of, as torches 19: 492.

lodgepole 33: 63.

lodgepole, use of 45: 461, 483, 496, 504.

medicinal use of 42: 664.

mention of 35: 143, 181, 398.

nuts, use of, as food 14: 517, 518.

red, use of 44: 291, 378.

rosin, used medicinally 42: 659.

tree, appearance of, in pictures of Hopi katchinas 21: 78, 95, 112, 119.

use of 44: 378.

use of, as screens in Hopi festivals 21: 46, 47.

use of, at Casa Grande 28: 146.

use of, by Hopi katchinas 21: 76, 97, 106.

use of, to represent hair and beard 21: 105.

western white, use of 45: 493.

western yellow, use of 45: 466, 483, 484, 499, 508, 514.

white, medicinal use of 43: 264.

white, use of 44: 291, 352.

whitebark, use of 45: 492.

yellow, use of, for food 45: 491.

See also Lodgepole Pine.

Pine Bird, flight of, to Bad Lands 14: 884.

Pine Ridge Agency

arrival of troops at 14: 850.

attacked by Brulés 14: 873, 875.

changes in boundaries of 14: 830.

delegates from, to Wovoka 14: 820.

delegation from, to Washington 14: 891.

destruction of property at 14: 892.

Pine Ridge Agency—Continued

- dissatisfaction of Indians at 14: 844.
 flight of Indians of, to Bad Lands 14: 850.
 Ghost dance at 14: 846.
 Ghost dance council held at 14: 820.
 Ghost dance excitement at 14: 848.
 Indians of, meet commissioners 14: 841.
 mission on, abandoned 14: 874.
 pictograph letter of 4: 160 *sq.*
 pictographs at 4: 176.
 reduction of rations at 14: 832, 845.
 report of Sioux delegates at 14: 820.
 restlessness of Indians at 14: 845.
 return of Sioux hostiles to 14: 861.
 visit of Äpiatañ to 14: 911.
Pine Ridge Reserve, establishment of 18: 932.
Pine Ridge Sioux, reference to 27: 101.
Pineapple
 cultivation of 38: § 246.
 drink from 38: § 266.
 mention of 38: § 246.
Pineau; Pinot, a source of salt 38: § 250.
Pineda, Juan de, campaign against Seri by 17: 75.
Pinedale Ruins
 age of 22, i: 167.
 bone implements from 22, i: 166 *sq.*
 buildings of 22, i: 164 *sqq.*
 collections from 19: xxi; 22, i: 166 *sq.*
 examination of 22, i: 121.
 excavation of 19: xvi.
 form of 22, i: 165.
 location of 22, i: 165.
 pottery from, character and decoration of 22, i: 166.
 reference to 22, i: 121.
 skeletons from 22, i: 166.
 work at 22, i: 164.
Pineville, Ky., trails of 42: 781, 782, 797.
Pinewood Tongs 35: 229.
Piney River, fortified Indian town on 41: 496.
Pingasoogarook 46: 207.
Pingishuguruk 46: 206.

Pingo 46: 205.**Pinini**

- a dwarf race 29: 435, 500, 501.
See also **Pygmies**.

Pinitu Dance

- ceremony of 47: 332-335.
 story of origin of 47: 372.

Pink Clay, use of, in house decorations 8: 146.**Pinkerton, John**, on Virginia mummies 1: 131.**Pinksey Matehah**, a Chickasaw 42: 811.**Pinole**

- an Indian food 23: xii.
 description of 26: 67.

Piñon

- nuts, how regarded by Cheyenne and Arapaho 14: 779.
 nuts, use of, as food 14: 517, 522.
 nuts, use of, in Hopi festivals 21: 30.
 preparation of, for food 30: 70.
 use of, in ceremonies 30: 96.
 use of, in medicine 30: 42, 43, 57.

Pinoshuragin 46: 208.**Pinot**. *See* **Pineau**.**Pins**

- cut from body of shell 2: 216.
 examples of 2: 213, 218.
 made by Indians and mound-builders 12: 686.
 made from columellae of shell 2: 213, 218.
 obtained from mounds 2: 213-218.
 of shell 2: 213, 218.
 use of, as ear ornaments 12: 686.
 use of, bone 2: 217.
 use of, problematical 2: 213, 217.
See also **Pin**.

Pinto Tribe, habitat of the 7: 68.**Pinus**, use of 44: 378.**Pinus Albicaulis** 45: 492.**Pinus Contorta** 45: 461, 496, 504.**Pinus Monticola** 45: 493.**Pinus Murrayana** 33: 63; 45: 483, 496, 504.**Pinus Ponderosa** 45: 466, 483, 484, 491, 499, 508, 514.**Pinus Resinosa**, use of 44: 291, 378.**Pinus Strobus**, use of 44: 291, 352.**Pinûtgû'**, a Cheyenne division 14: 1026.

Piny Branch Quarries

description of 15: 31, 33, 52.

excavations in 15: 36.

Piny Branch Valley, geology of 15: 32.**Piojé Indians**, vomiting of the 30: 295.**Piokot**, description of 21: 105.**Piomingo**, Chickasaw chief 42: 812.**Pioneers, Kentucky**, trails of 42: 793-802.**Pipe, Captain** —, grant including village of 18: 688.**Pipe**

animated 32: 129, 134.

as a symbol 39: 50.

as credential of office 39: 52.

beliefs concerning the 11: 511.

ceremonial relating to 11: 373, 377, 425, 435, 458, 487.

ceremonial, ritual of 37: 469 *sqq.*ceremonial use of 17: 297; 37: 142, 145, 148, 149, 158, 429; 39: 53 *sq.*, 58, 244, 247, 295.

collected by J. P. Harrington 47: 13.

extemporized, by an Eskimo 9: 68.

of the Nenenot 11: 302.

official badge of the Sho'-ka 43: 33, 59, 67.

sacred, in Pima mythology 26: 229.

sacred, in Pima song 26: 278.

sacred, of the Arapaho 17: 242.

sacred, of the Cherokee 19: 397, 503.

sculpture of the mound-builders 2: 124.

symbolic 36: 61.

symbolic, carried by singer 39: 138.

use of, in Hako ceremony 22, ii: 48.

use of, in Kiowa war ceremony 17: 312, 322, 328.

*See also Pipes; Pipes of Peace; etc.***Pipe Ceremony**

among the Osage 15: 236.

in Ghost dance 14: 915.

Pipe Dance

of the Omaha 3: 276.

paraphernalia of the 40: 38, 119, 137.

reference to 11: 406.

Pipe-giving Ceremony 17: 282.**Pipe-offering Songs** 39: 120-123.**Pipe Shrine House**excavation of 41: 50 *sqq.***Pipe Shrine House—Continued**

naming of 41: 52.

repair of 41: 80.

Pipeclay, fragments of, found at Homolobi 22, i: 111.**Pipes**

and tobacco, used by Indians and mound-builders 12: 687.

belonging to Sacred Pole 27: 226 *sq.*, 230-233, 238.belonging to Te'pa itazhi 27: 161 *sq.*

belonging to White Buffalo Hide 27: 283, 284, 286-289, 290.

Casa Grande, description of 28: 135 *sq.*

ceremonial, description of 45: 165.

ceremonial use of 42: 449; 45: 154, 380, 554.

chief's 42: 703.

clay 20:

Catawba 143.

Catawba, manufacture of 55.

Cherokee, manufacture of 56.

Eastern United States 44 *sq.*

Eastern United States, materials used in manufacture of 46.

Eastern United States, separation of, into groups 141.

Florida Peninsula 119, 129.

Gulf Coast 108.

Iroquoian province 172-175.

Iroquoian province, paste used for 161, 173.

Iroquoian province, prominence of 160, 172 *sq.*

Middle Atlantic coast 150, 151, 156, 158.

Middle Mississippi Valley 83, 98 *sq.*

New Jersey-New England province 175, 179.

Northern province 199.

South Appalachian province 131, 139, 140 *sq.*

custodianship of, Ponca 27: 44.

description and figure of 13: 128.

description of 45: 165 *sq.*description of, used by Point Barrow Eskimo 9: 66 *sqq.*, 70 *sq.*

distribution of 15: 142.

"elephant" 2: 155, 157.

Eskimo 18: 280-284.

Eskimo terms for 9: 70.

Pipes—Continued

- form a link connecting mound-builders and Indians 12: 701, 703.
- found in Nacooche Mound 37: 3.
- from Alexander Mound 42: 19.
- from mounds differ from those used by Maya, Nahau and Pueblo tribes 12: 704.
- from Sacred War Pack 27: 415.
- how finished 15: 26.
- image 12: 233, 235, 323, 325.
- in adoption ceremony, Osage 27: 62.
- in Caddo mythology 14: 1093.
- in Hethu'shka society 27: 459, 460, 461, 462, 464, 465 *sq.*
- in Hoⁿ'hewachi ceremony 27: 496, 498, 499.
- in "mark of honor", Osage 27: 220.
- in Shell Society 27: 520, 521, 562 *sq.*
- in Sikyatki graves 17: 733.
- keepers of sacred 3: 222, 223, 358, 363.
- materials used for 45: 254, 380.
- mention of 12: 323, 325, 338, 339, 340, 341, 353, 354, 383, 402, 403, 427.
- of Tent of War 27: 142, 424 *sq.*
- of the Menomini 14: 159, 247, 253.
- of the Okanagon 45: 278.
- of the Omaha 13: 279.
- of the Siouan Indians 15: 172.
- Omaha sacred 3: 221-224.
- paper on, by J. D. McGuire 20: 45, 99.
- paper on uses of 20: 25, 172.
- sacred, in charge of northern Arapaho 14: 955.
- sacred, of the Arapaho 14: 956, 1063.
- sacred, of the Sioux 14: 823, 1062.
- sacred, referred to in Ghost dance 14: 1072.
- sacred regard for 14: 959, 960, 961.
- sacred tribal 27:
 - bearers 149, 162.
 - custody 148.
 - description 135, 207.
 - in annual buffalo hunt 276, 277.
 - in connection with Council of Seven 196, 207 *sqq.*

Pipes—Continued

- sacred tribal 27—continued
 - in election of chief 204.
 - in establishment of Nini'batoⁿ divisions 201.
 - in He'dewachi 251, 253, 255, 257, 258.
 - in preservation of peace 205 *sq.*, 215.
 - keeper 208.
 - reference to 217.
 - rites of 261, 596, 602.
 - ritual for filling 187 *sq.*, 195, 208 *sq.*
 - significance of 207.
 - Te'pa subgens associated with 159.
- significance of 27: 201.
- Sikyatki 14: 519.
- soapstone 5: 93, 94.
- source of material for 45: 218.
- steatite 15: 109; 44: 88 *sq.*
- steatite, from Anacostia 15: 133.
- steatite, from North Carolina and Tennessee 15: 133.
- steatite, trade in 42: 736.
- stone bird, from Hydes Ferry 42: 18.
- symbolism of 45: 578 *sq.*, 587, 723, 725.
- symbolism of, in Ghost dance 14: 789.
- Tewa, reference to 29: 581.
- the calumet 3: 277.
- trade in 20: 140, 158, 173.
- tradition of the 3: 222.
- treaty, illustrated 14: 688.
- typical form of the broad, curved base 12: 704.
- use of 30: 95; 46: 413.
- use of, in Ghost dance 14: 1064.
- use of, in prayer 27: 599.
- war pipes, Ponca 27: 144.
- Wa'waⁿ pipes 27: 43, 47, 162, 375, 376 *sqq.*, 380.
- See also Calumet; Peace Pipe; Pipes of Peace; Smoking; Tobacco.*

Pipes of Peace

- breaking of, by Sitting Bull 14: 854.
- calumet 27: 207.
- custodianship of 37: 183 *sq.*

Pipes of Peace—Continued

in charge of Wazha'zhe gens, Ponca
27: 46.

in Osage legend 27: 46, 62.

in Ponca legend 27: 47, 48.

in Wa'waⁿ ceremony 27: 43.

of the Cherokee 14: 1063.

See also **Peace Pipe**; **Pipes**; etc.

Pipestems

Eskimo 18: 280.

in annual buffalo hunt 27: 276,
280, 281, 282.

use of, in Hako ceremony 22, ii:
19, 20.

Pipestone, Minn., petroglyphs copied
at 10: XIII, 87 sq.

Pipestone

red, used as a remedy 44: 331.

trade in 45: 254.

Pipestone Quarry

in Minnesota 13: xxviii; 14:
xxxv.

mention of 4: 23, 33; 42: 49.

reference to 27: 36.

reservation of use of 18: 820.

sacred regard for 15: 184.

Pipil, day symbol of the 16: 252.

Pipsissewa

medicinal use of 43: 265.

use of 44: 288, 360; 45: 462, 476,
494.

Piptadenia, narcotic 38: § 286.

Piptuka, description of 21: 116.

Pirai Fish, legends about the 30: 244.

Piratic Acculturation, study of 19:
xxii-xxv.

Pirinda or **Matlaltzincan**, number
names of 19: 873, 879 sq., 931.

Piro Indian

language of the 29: 37.

mention of the 1: 101.

name for earth 29: 52.

study of the language of 19: xxvi.

Tewa name for 29: 575.

tribes of, description of 15: xxii.

work among the 19: xvi.

Pisa, Bartolomé de, on meaning of
certain symbols 16: 240.

Pisassa, sandals 38: § 553.

Piscataway Indians represented at
treaty of peace 43: 456.

Pisé

constructions in Arizona 13: 238,
310, 360.

Pisé—Continued

houses of, in the Southwest 23:
xxix.

Pishofa Ceremony, description of
44: 258-263.

Pishofa Dances

modern Chickasaw ceremonies 42:
590.

to cure the sick 42: 622 sq.

Pishquitpah, sketch of the 14: 739.

Piskwaus

and Isle de Pierre affinity 14: 735.

sketch of the 14: 736.

Pismo Clamshell

beads of 44: 155.

ornaments of 44: 147.

Pisquose

a Piskwaus synonym 14: 737 sq.

See also **Yakima**.

Pisscow, an Okanagon division 14:
734.

Pit Burial 1: 93.

Pit Dwellings

Alaska, Pueblo 46: 82.

at Luna, New Mexico 37: 22 sq.

Pit River Indians

account of the 14: 1052.

dialects of the 7: 97.

Ghost dance among the 14: 785,
804.

stone chipping by the 13: 141.

Pit-rooms

Casa Grande, reference to 28: 101.

See also **Subterranean Rooms**.

Pit Traps of the Eskimo 18: 122.

Pitahaya

native American fruit 14: 515.

occurrence of, in Seriland 17: 34.

Pitarilla, European game, Tewa 24:
797.

Pitcatchee land cessions and reserva-
tions 18: 782.

Pitcher Forms 4: 307.

Pitcher Plant, use of 44: 293, 378.

Pitchers

clay, from 2:

Acoma 405.

Laguna 401.

Tesuke 413.

Zuñi 349.

collection of Indian 3: 543.

Pitching Tents, Omaha rules for 3:
220 sq.

Pitchlyn, Jack, account of 42: 826.

Pitfalls

for game, references to 29: 268, 279 sq.

See also **Traps**.

Pither, Robert J. N.

on amounts of wild rice harvested 19: 1075.

on birds destructive to wild rice 19: 1027.

on drowning of wild rice 19: 1099.

on Ojibwa curing wild rice 19: 1065, 1066.

on Ojibwa gathering wild rice 19: 1063.

on Ojibwa storing wild rice in cedar-bark bags 19: 1072.

on sowing of wild rice by Rat Portage Ojibwa 19: 1057.

on thanksgiving observance before wild rice harvest 19: 1091.

Pitic, establishment of port at 17: 72.**Pitman, Harrison**, pits on farm of 44: 526.**Pitman Creek**, Indian fortifications at 42: 803.**Pitman's Station, Ky.**, location of 42: 803.**Pitmegia** 46: 207.**Pitou, L. A.**, cited 30: 170, 282, 294, 302, 309, 310, 340.**Pits**

artificial, in Piny Branch quarries 15: 50, 51.

for cooking 8: 163.

for storage of food 45: 342.

mention of 12: 32.

Pitt River. *See* **Round Valley Reserve**.**Pitt River Indians**, burial and cremation of 1: 151.**Pittard, Prof. E.** 46: 326, 371.**Pitted Stones**, description of 13: 91; 15: 103.**Pittsburg, Pa.**, occurrence of Middle Mississippi Valley pottery in 20: 80 sq.**Piute (Pi-ute) Indian**

a synonym of Paiute 14: 1048.

cairn burial of the 1: 143.

illustrations of ornamentation by 6: 198, 205.

map of Colorado River 10: 342.

Piute Creek, Calif., pictographs at 10: 62,**Pizarro, Francisco**

condition of cranium of 16: 31.

purchase of Alvarado's expedition by 14: 352.

struggles of, in Peru 14: 376.

P'kaist Indians, mention of 41: 144.**Place, Lem.**, pueblo ruins near house of 22, i: 173.**Place**, affection for 33: 321.**Place Names**

affected by flora 33: 57.

Alaskan, preparation of list of 41: 63.

at Mohegan 43: 253.

California, work on 41: 59.

derived from plants 30: 86.

Indian, in Trinidad 34: 65.

Indian, occurrence of 34: 62.

mention of, Hawaiian 33: 314.

of the Lake Indians 45: 211.

Tewa, detailed treatment of 29: 94-618.

Tewa, large features of 29: 98-106.

Tewa, list of 29: 588-618.

Tewa, notes on 29: 37 sq., 94-98.

Place of Initiation, plan of 39: 84.**Placement**, process of 1: 6 sqq.**Placenta**. *See* **Afterbirth**.**Plague**

in Pima villages 26: 42 sq., 48.

terms relating to 29: 69.

Plain Pottery 4: 299 sqq.**Plains**

description of the Indians of 14: 527, 578, 580.

Spanish soldiers lost on the 14: 508.

See also **Great Plains**.

Plains Cree, data on scalp and war dances of 40: 547.**Plains Indians or Tribes**

arrow chipping by the 13: 140, 142.

connection of, with Tewas 21: 111.

games of the 24:

buzz 751.

cup and pin 559.

double ball 647.

hoop and pole 428.

shinny 617.

influence of designs of 41: 374, 384.

known to the Flathead 45: 304.

material relating to 28: 15.

notices by the 10: 340.

Plains Indians or Tribes—Contd.

- similarity of leggings worn by Pohaha to those of 21: 111.
- studies among the 24: xvi sq.
- Sun dance among the 24: 438 sqq.
- Tewa name for the 29: 575.
- war among the 17: 176, 178.

Plaiting

- loop 38: § 45, 46.
- strand 38: § 42, 43, 544.

Plaitwork and Basketry 38:
p. 137-142.**Plan**

- of directing ethnologic researches 2: xv.
- of pueblo houses not usually pre-arranged 8: 100-162.
- of villages, traditional mention of 8: 104.

See also Plans and Descriptions.

Plana Cayo, number of specimens from 34: 50.**Plancarte, F.**, Indian relics donated by 10: xxii.**Planets**

- myths concerning 11: 514.
- See also Star.*

Planos, Enrique Gomez, work of, on Cuba 34: 248.**Plans and Descriptions**

- of Cibolan ruins 8: 80.
- of inhabited villages 8: 61-79.
- of Tusayan ruins 8: 45-60.
- of Zuñi villages 8: 94-99.

See also Plan.

Plans of Operation of the Bureau of American Ethnology 25: ix.**Plant Forms and Designs**

- Eastern United States pottery 20: 35, 39, 40, 63, 65.
- Florida Peninsula pottery 20: 118, 124, 127, 128.
- Middle Mississippi Valley pottery 20: 85, 91, 94 sq.
- Potomac Creek pottery 20: 156.
- See also Life.*

Plantaginaceae 33: 115.**Plantago Major**

- medicinal constituents of 44: 304.
- medicinal properties of 44: 302.
- mention of 33: 115.
- use of 44: 291, 348, 352, 362, 376.

Plantain

- drink 38: § 268,

Plantain—Continued

- medicinal use of 43: 266.
- mention of 33: 115; 38: § 246.
- skin for tattooing 38: § 510.

See also Plantago Major.

Planting Katcina. *See Paski.***Planting Lore 43: 271 sq.****Planting Ritual 47: 321.****Planting Song 36: 295.****Planting Sticks**

- Antillean 25: 196.
- appearance of, in pictures of Hopi katchinas 21: 116.
- Casa Grande 28: 146.
- use of, by Hopi katchinas 21: 77.
- use of, in Masauû ceremony 21: 37.

Planting, Symbolic, of fields 39: 194 sq.**Planting Time**, how determined in Zuñi 8: 148.**Plants**

- beads and pendants made from seeds of 33: 58.
- beliefs concerning 45: 450, 507-510.
- binas from 30: 281-284, 285 sqq.
- bush spirits associated with 30: 228-234.
- ceremonies for gathering 7: 339.
- chewed by the Indians 45: 492 sq.
- creation of 30: 146 sqq.
- curative 27:
 - description of 584 sq.
 - in story of Shell Society 516.
 - reference to 487.
- discussion of Indian names of 45: 449 sqq.
- dried for medicine 44: 326.
- eaten by animals 45: 514 sqq.
- economic 38: § 246.
- edible 30: 65-76; 38: p. 213-221.
- edible, description of 27: 341 sq.
- fertile and sterile 44: 325.
- folklore of 30: 84 sq.
- human factor in distribution of 33: 59.
- idea of sex in 45: 453 sq.
- in mythology 45: 510 sq.
- index list of 30: 101 sq.
- Indian knowledge of 45: 454.
- list of, used for medicines 45: 293 sq.
- lists of 44: 286-299.

Plants—Continued

- magic power attributed to 47: 915.
- male and female 45: 508.
- man derived from 30: 144 *sq.*, 228.
- materials for personal adornment 33: 58.
- medicinal properties of 44: 299–303.
- medicinal use of 42: 655–670.
- mention of 11: 390.
- mythic origin of 30: 46.
- myths and lore concerning 19: 231, 240, 252, 420–427, 505.
- named from special characteristics 45: 448.
- named from taste 45: 450.
- named from their use 45: 449.
- naming of 45: 454.
- nomenclature of 44: 328.
- of Seriland 17: 31–36.
- of the Point Barrow region, Alaska 9: 59 *sq.*
- omens from 30: 277.
- paper on use of, by Indians 40: 17.
- oarts of, used for their fragrance 33: 59.
- poisonous 45: 452, 511 *sqq.*; 46: 129.
- sacred food 39: 129.
- sacred, Hawaiian 33: 625, 659.
- search for, for shrine 45: 687 *sq.*
- study of, by certain persons 33: 55.
- suggestion of ornamental features by 20: 64.
- use of, in making pipes, Eastern United States 20: 44.
- used as antidotes 44: 328.
- used as charms 45: 505 *sqq.*
- used as dog medicines 45: 513 *sq.*
- used as food 45: 452 *sq.*, 477–492.
- used as horse medicine 45: 513 *sq.*
- used as medicine 45: 455–477.
- used as scents 45: 502 *sq.*
- used as tobacco 14: 250.
- used by Cherokees for medical purposes 7: 322–331.
- used by Indians in dyeing and in medicine 2: 335.
- used by Thompson Indians, lists of 45: 516–522.
- used for medical purposes by the Midewiwin 7: 197–201, 226, 241, 242.

Plants—Continued

- used for purification 45: 503 *sqq.*
- used for smoking 45: 494 *sq.*
- used in making dyes and paints 45: 500 *sqq.*
- used in manufacture 45: 495.
- used to make drinks 45: 493 *sq.*
- uses of 30: 39–101.
- uses of, by Chippewa Indians 44: 275–397.
- uses of, by Makah Indians 42: 15.
- various uses of 33: 55.
- Zuñi conception of 30: 37.
- See also* Basketry; Ceremonies; Decorating; Dyeing; Folklore; Herbs; Medicine; Toilet; Weaving; Zuñi, *plants of*; and names of different plants.
- Plaques, used for food 41: 206 *sq.*
- Plaster
 - frequent renewal of, at Shumopavi 8: 73.
 - use of clay for, by American aborigines 20: 37.
- Plastering
 - clay instruments used in 20: Eastern United States 35. Middle Mississippi Valley 98, 100.
 - custom formerly observed in 8: 102.
 - effect of, on kiva walls 16: 121, 176.
 - effect of, on stonework 16: 161.
 - in Verde cavate lodges 13: 222, 225, 251.
 - of cliff ruin walls 16: 118, 120, 121, 129, 140, 144, 149, 151, 160
 - of Honanki ruin 17: 563.
 - of Palatki ruin 17: 555.
 - of Shupaulovi kiva 8: 126.
 - of Sikyatki rooms 17: 645, 646.
 - on Awatobi walls 17: 616.
 - on chimney hoods 8: 169, 172.
 - on floor in Mashongnavi 8: 109.
 - on kiva walls 8: 115.
 - on masonry 8: 144.
 - on outer walls of Ojo Caliente 8: 96.
 - on Shupaulovi kiva, condition of 8: 124 *sq.*
 - on side hole of door for fastening 8: 183 *sq.*
 - on walls 8: 140.
 - renovation of rooms by frequent 8: 89.

Platanus Occidentalis, medicinal use of 42: 659.

Plates

copper and brass 42:
 account of 503-510.
 ceremony of carrying 505.
 description of 504, 507, 508.
 exhibition of 570, 572.
 origin of 505, 507, 509, 510, 570, 572.
 sacred character of 503 sq., 572, 575.

trepined aperture covered by 16: 39.

See also Caracoli; Platters; Shields, copper.

Platform

at head of steps 8: 161 sq.
 in cavate dwellings 17: 541.
 in floor of Tusayan kiva 8: 121.
 in Honanki 17: 566.
 of masonry connected with cliff ruins 16: 132.

Platonic Theory of government, statement of 20: cxxii.

Platt, Albrecht, on influence of wild rice on geographic nomenclature 19: 1122.

Platte River

occurrence of remains of Pawnee villages on 20: 200.
 pottery making in villages on 20: 58.
 references to 27: 49, 80, 86, 88 sq.
 treaty of 18: 750.

Platter, game of the 24: 97, 186, 187.

Platters

Gulf Coast pottery 20: 108.
 Iroquoian province, rarity of 20: 162.
 Middle Mississippi Valley pottery 20: 87 sqq.

See also Plates.

Plattsburg, N. Y., vessel from 20: 167.

Play, importance of, in activital development 17: xxix sq.

Playful Calf, ritual recited by 45: 529.

Playfulness. *See* Fancy.

Playground, made by birds 30: 226.

Playing Cards 24: 32, 791.

Playsanos Indians, of California, gravestones of the 10: 519.

Plaza

Casa Grande, description of 28: 93 sq., 100 sq.

in cavate villages 13: 223.

See also Court.

Plaza Kiva of Hano, corn-planting in 21: 52.

Pleasant Men, an Arapaho division 14: 957.

Pleasant Porter

head chief 42: 331.

mention of 42: 52.

Pleasure

activities designed to give 19: LV-XCII.

corporations for 20: LXXIV.

development of 19: LIX, LX, LXII sq., LXVI, LXXII sq., XCII.

smiling as an expression of 20: CXLI.

Pleiades

a sky deity 43: 73, 74.

Eskimo belief concerning 18: 449.

Indian name for 42: 478.

legends concerning 30: 262-266.

myths concerning 19: 258 sq., 442 sq.

reference to 27: 177.

"Seven Stars" fixing the year 38: § 936.

string figure of 38: § 650.

Plenty Coups, portrait made of 34: 28.

Plenty Horses, Lieutenant Casey killed by 14: 888.

Plenty - of - Grizzly - Bear, a Pend d'Oreille chief 45: 377.

Plenty-of-Horses, a Flathead chief 45: 377.

Plenty Poles, Kiowa met in north by 17: 155.

Pleurisy

among the Pima 26: 268.

remedy used for 42: 658.

Pleurisy Root

mention of 33: 109.

used medicinally 42: 667, 668.

Pleurotus Ulmarius 33: 61.

Pliable Fabrics, description of 13: 21.

Pliny

cited 30: 42.

cited on Roman superstitions 9: 486, 487, 568, 570, 572, 574, 575, 578, 579.

"Plover," S. S., visit of, to Point Barrow, Alaska 9: 52.

Plover Bay

graves at 18: 321 sq.
implements from 18: 182, 187.
language of people of 18: 25.
people of 18: 26 sqq.
tattooing by people of 18: 52, 325, 426.
transportation apparatus from 18: 208, 218.
village at 18: 258.
visit of E. W. Nelson to 18: 20.
whale hunting by people of 18: 165 sq.

Pluchea Borealis. *See* Arrowbush.

Plucking out Eyes, tale of 31: 154, 746, 759.

Plugs

for floating killed seals, Eskimo 18: 131.
for hunting floats, Eskimo 18: 140 sqq.

Plum

wild, medicinal use of 42: 659.
wild, mention of 33: 87.
wild, use of 44: 291.
wood, symbolism of 22, ii: 22, 42.
wood, use of, in Hako ceremony 22, ii: 20.

See also **Prunus Americana.**

Plumage, origin of, Iroquois myth 2: 79.

Plumb Agent, account of Ghost dance by 14: 806.

Plumbago, Eskimo paint made of 18: 198.

Plume, red, symbol of dawn and peace 36: 134.

Plume Boxes 8: 210.

Plume Stick

baho, or feathered wand, used in kiva consecratory ceremonials 8: 119 sq., 129, 130.
shrines at Mashongnavi 8: 167.

Plumed Snake

consecration of Moñwiva to 21: 84.
cult in Tusayan 17: 671, 672.
figures on Hopi kilts 17: 696.
figures on pottery 17: 658, 671.
Hopi cult of 28: 142.
house of 21: 51.
in Hopi mythology 17: 668.

Plumed Snake—Continued

on pottery from Old Shumopavi, description and figure of 22, i: 114, 115.
symbolism, Casa Grande 28: 113, 141 sq.

Plummet

described and figured 13: 110.
specimen found at Casa Grande 28: 125.

Plums

human transportation of 33: 60.
of Great Plains 14: 328.
See also Plum.

Plumstone Game

in Menomini myth 14: 188.
mention of 3: 334.
of the Arikara 24: 97.
of the Cheyenne 24: 61.
of the Dakota (Santee) 24: 180–185.
of the Dakota (Yankton) 24: 184, 185 sq.
of the Illinois 24: 72.
of the Menomini 14: 241.
of the Wyandot 24: 118 sq.

Ply

multiple 38: § 37.
single 38: § 33.
three 38: § 36.
two 38: § 35.

Plymouth, Indian policy of 18: 600, 601, 607 sq., 611.

Plymouth Company, charter of 18: 529 sq., 550 sq.

Plymouth Township, Pa., vessel from 20: 166.

P'nä

a village on Columbia River 14: 716, 717.
meaning of 14: 735.
Smohalla ceremonial at 14: 727.
See also Priest Rapids.

Pneumonia

among the Pima 26: 268.
remedies used for 42: 660, 664, 668.

Poaceae 33: 66.

Poast, Miss Florence M.

resignation of 39: 28.
work of 36: 9; 37: 31; 38: p. 1, 21; 39: 28.

Pobares, F., death of 14: 499, 500.

Pocagan. *See* Pokagan.

Pocataligo's Band of Shoshoni, treaty with 18: 828.

Pocatquissing Creek, N. J., pottery of 20: 176 sq.

Pochi-ponaiyang, "night-owl ear," leaf basket 38: § 453.

Pockets in Eskimo women's "housewives" 18: 105.

Pocomtuck, allied to Stockbridge Mahican 43: 216.

Pódodal, strange experience of 17: 345.

P'ódalä'n̄te, death of 17: 361, 362, 377.

Podunk Indians, account of the 18: 613.

Poepiche
Apalachicola "king" 42: 34.
name interpreted 42: 34.

Poetry
and music of the Eskimo 6: 648-658.
development of 19: LXXXVII-CXII.
Zuñi, discussion of 47: 617-620.

Poeý, Andres
on Cuban antiquities 24: 181, 244.
on Cuban skulls 25: 30.
on phallicism in West Indies 25: 100.

Póggamoggan, use of, by the Ojibwa 13: 95.

Po'hoi, a Comanche band 14: 1045.

Pohlik. See **Klamath**.

Pohóme. See **Smith, John**.

Pohoneechee land cessions and reservations 18: 782, 822.

Point Barrow, Alaska
buildings 18: 244, 263.
character of people of 18: 300 sq.
Eskimo of 46: 215, 218, 226, 227, 230.
Eskimo of, habitat of 7: 73.
implements and utensils from 18: 63, 78, 79, 81 sq.
masks from 3: 136.
measurements 46: 228
mention of 46: 168, 177, 206, 207, 209.
old remains 46: 205.
physical characteristics of people of 18: 28.
range of people of 18: 26.
skeletal parts from 46: 313,

Point Barrow, Alaska—Continued
strange groups of Eskimo near 46: 318.
topography of region of 9: 27 sqq.
transportation apparatus from 18: 215, 220, 224.
visit of E. W. Nelson to 18: 21.
whale hunting by people of 18: 166.

Point Barrow Crania
basiofacial diameters 46: 279-282.
dental arch 46: 276.
facial 46: 266.
facial angles 46: 285.
mention of 46: 236, 237, 254, 255, 256, 257, 258, 260, 261, 262, 263.
nose 46: 268, 270.
orbits 46: 274.
total, all averages 46: 286.

Point Elliott, treaty of 18: 798 sqq.

Point Hope
archeology of 46: 166, 173, 363.
burials in 46: 183.
character of people of 18: 300, 302.
clothing from 18: 38.
dialect of people of 18: 25.
Eskimo of 46: 226, 230.
excavations by Eskimo of 46: 167, 205.
fossil ivory culture of 46: 174.
graveyard at 18: 322.
implements and utensils from 18: 67, 69, 75, 88, 89, 91, 93, 101, 102, 108, 110, 114, 115, 127, 129, 134, 149, 150, 159, 170, 189.
mention of 46: 101, 113, 207.
musical instruments from 18: 351.
old remains of 46: 205.
ornaments from 18: 48, 49, 61.
people of 18: 26, 28.
population of 46: 205.
ridges of ruins of 46: 172, 205.
summer camp at 18: 262.
tobacco implements from 18: 283.
toys from 18: 344.
transportation apparatus from 18: 210, 224.

Point Hope Crania
basiofacial diameters 46: 279-282.
dental arch 46: 276.
facial 46: 266.
facial angles 46: 285.
means 46: 268, 270.
mention of 46: 257, 258, 259, 260, 261 262.

- Point Hope Crania**—Continued
 nose 46: 268, 270.
 orbits 46: 274.
 skeletal parts 46: 197.
- Point no Point**, treaty of 18: 800.
- Point of Rocks, Md.**
 character of pottery of 20: 150.
 rhyolite blade found at 15: 76.
- Point Pleasant, N. J.**
 argillite rejects from 15: 90.
 pottery from 20: 177 sq.
- Point Spencer** 46: 197.
- Point Village**, Ponca, reference to 27: 51.
- Point Washington, Fla.**, pottery from 20: 109 sq.
- Pointed Hearts**, a Coeur d'Alène synonym 14: 733.
- Pointing**, objections to 30: 239 sq., 271.
- Points**
 slate 44: 101 sq.
 spear and arrow, ivory 46: 46, 60, 63, 67, 88, 144, 146, 170, 173.
- Points of the Compass** 27: 111.
- Poison**
 antidotes for 38: § 930.
 bamboo for alligator 38: § 213.
 darts 38: § 121-123.
 fish 38: § 208-214.
 in punishment of offenders 27: 213.
 in Shell society 27: 559, 560, 561, 564.
 native, of Sonora 14: 537, 541.
 secret 38: § 734, 735.
 use of 14: 500, 502; 45: 344, 394.
See also Arrow Poison; Plants, poisonous.
- Poison Ivy**
 in Cherokee lore 19: 425.
 mention of 33: 100.
- Poison Oak**
 mention of 33: 100.
 place named for 30: 86.
- Poisoned Arrows**, discussion of 14: 284.
- Poisoning**
 of springs by the Zuñi 13: 331.
 practice of 30: 343, 358 sq.
See also Curare; Poison.
- Poti; Poito**, slave 38: § 740.
- Pojoaque or Pojuaque**
 a Tewa pueblo 8: 37.
 collection from 2: 438..
- Pojoaque or Pojuaque**—Continued
 population of 7: 123.
 pueblo, Act of Congress affecting 18: 922.
- Pokagomon Lake**
 cession of reserve at 18: 830.
 reservation at 18: 802.
- Pokagon, Chief Simon**
 on failure of wild rice crop 19: 1095, 1099, 1100.
 on popular synonym for wild rice 19: 1023.
 on Potawatomi gathering wild rice 19: 1062, 1063.
 on Potawatomi mealtime 19: 1087.
 on Potawatomi property right in wild rice 19: 1073.
 on Potawatomi thrashing wild rice in special bag 19: 1069.
 on Potawatomi use of birch-bark mococks 19: 1072.
 on wild rice in Potawatomi mythology 19: 1091.
 on wild rice moon 19: 1089.
- Pokagon's Band**
 cession of reserve at 18: 750.
 reservation for 18: 740.
- Pokchetah**, definition of 16: 247.
- Pokeberry** 33: 78.
- Pokenwell** land cessions and reservations 18: 782.
- Poker** played by the Eskimo 18: 297, 330 sq.
- Pokinsquuss**, myth of 10: 469 sq.
- Pokomam**, formation of number names in 19: 862, 880.
- Pokonchi**, formation of number names in 19: 862, 880, 901.
- Pokwádi.** *See Pojoaque.*
- Po'kwoide**, pueblo of, speaks same language as Hano clans 21: 614.
- Polaka**, Hano tradition given by 8: 35.
- P'olä'ñte.** *See P'ódalä'ñte.*
- P'olä'ñyi-katōn**, calendar of 17: 144.
- Poland, Colonel** —, troops under, at Rosebud 14: 850.
- Poläñyup or Polä'ñyup**, a Kiowa military order 14: 989; 17: 230.
- Polaris** in Pima religion 26: 252.
- Pole; Paddle** 38: § 799.
- Pole Star**
 a sky deity 43: 74.
 Iroquois myth of 2: 81.

Polemonium, use of 45: 467.

Poles

- anointing the sacred 3: 293.
- for suspension of blankets, etc. 8: 110, 189, 208, 214.
- sacrifice, in Sioux ceremony 14: 823.
- the sacred 3: 234, 293.
- used in boating 30: 221.
- See also Tree.*

Poliahu 33: 305, 306, 324.

Políakýä, a Kiowa chief 17: 164, 263.

Police, Sioux

- arrest of Sitting Bull by 14: 856 *sqq.*
- bravery of 14: 860.
- moderation of 14: 869.

Policemen

- a class in the Omaha State 3: 216.
- among the Assiniboin 15: 224.
- appointed in hunting, Omaha 3: 288.
- appointed in war, Omaha 3: 321.
- function of, among Siouan Indians 15: 214.
- Indian, activities of 47: 56, 59.
- power of the Omaha 3: 363.

Polished Stone Implements 46: 135, 144, 148.

Polishing

- Eastern United States pottery 20: 51, 54, 55, 56, 63, 65.
- horn, Kwakiutl 35: 104, 108.
- silver, Navaho method of 2: 175.
- tools of the Eskimo 18: 87 *sqq.*, 112.
- See also Finish; Stones.*

Polishing Stones

- Antillean 25: 93.
- description of 13: 93.
- from ruined pueblos on Little Colorado River, varieties of 22, i: 103.
- from Sikyatki 17: 729.

Politeness, Omaha 3: 269 *sq.*

Political Organization, Acoma, compared with eastern Keres 47: 141.

Politics at Acoma 47: 61.

Politzer, T. H., account of Oraibi Snake dance by 16: 273.

Polk County, Mo., flint in 44: 536.

Pollard, J. G.

- bulletin by 15: xxxvi, xl, xlvi, xlix, liv.

Pollard, J. G.—Continued

- on Pamunkey pottery making 20: 153.

Pollen

- ceremonial use of 15: 289; 47: 275 *sq.*, 291, 297, 300, 302, 326 *sq.*, 337.
- gathering of 47: 276.
- informant's use of the term 47: 275.
- pigment made from 47: 860.
- use of, among Hindus and Romans 9: 535.
- use of, among Israelites and Egyptians 9: 517 *sq.*
- use of, in Apache ceremony 14: 705.

See also Meal.

Pollock, Oscar, killed at Wounded Knee 14: 871, 872.

Polo, Marco, cited on cords worn by Brahmans 9: 563.

Poloi, Henry, acknowledgment to 14: 655.

Polonches, a Pá'lus synonym 14: 735.

Poluyo, source of salt 38: § 250.

Polyandry

- among the Omahas 3: 261.
- traces of, among the Seri 17: 281*, 283*.
- See also Polygamy.*

Polychrome Group of Chiriquian pottery 6: 140-147.

Polygala Senega, use of 44: 291, 336, 338, 364, 376.

Polygamy

- among the Antilleans 25: 48.
- among the Cherokee 19: 163, 365, 481.
- among the Eskimo 9: 411; 18: 292.
- among the Guiana Indians 38: § 892-896.
- among the Kiowa 17: 233.
- among the Kwakiutl 35: 897, 980, 1018, 1028, 1031, 1261.
- among the Northern Indians 11: 188, 270.
- among the Omaha 3: 261.
- among the Pima 26: 184.
- among the Seri 17: 11, 279*.
- among the Tsimshian 31: 420.
- not common 42: 370.

Polygamy—Continued

practice of 42: 79, 371, 373, 374, 376, 699.

references to 27: 326, 615.

supposed influence of 42: 354.

when permissible 42: 353.

See also Marriage; Polyandry; Polygyny.

Polygonaceae 33: 77.

Polygonatum Commutatum, use of 44: 291, 336.

Polygonum Amphibium 45: 515.

Polygonum Persicaria, use of 44: 291.

Polygonum Punctatum, use of 44: 291, 344.

Polygyny, Sororal, only one case mentioned 31: 422.

Polynesia

tattooing in 10: 408.

See also Malay.

Polynesian

loan words 15: LXIV.

ornamentation, illustrations of 6: 249, 250.

Polynesians

absence of clans among the 17: 227.

myth of the 19: 431.

Polypodium, source of salt 38: § 250.

Polyporaceae 33: 62.

Polyporus Abietinea 45: 504.

Polystichum Munitum 45: 499.

Polystictus Versicolor 33: 62.

Polytheism

among the Siouan tribes 11: 502.

See also Gods.

Pomeroon District, of *British Guiana*, excavations in 34: 76 sq.

Pomme Blanche

definition of 4: 102.

mention of 33: 92.

Pomo Indian

basket making among the 20: xvi.

games of the 24:

cat's cradle 771.

dice games 131-136.

hand game 289 sqq.

hoop and pole 478 sq.

racket 562, 594 sq.

ring and pin 528, 550.

snow-snake 413 sq.

stick games 247.

Pomo Indian—Continued

land cessions and reservations 18: 784.

See also Camelelpoma.

Pompey, N. Y., site of former Onondaga village 43: 454.

Pompin, Tewa name of San Francisco mountains 21: 105.

Ponca

arrow-making among the 27: 42, 43, 452.

belief as to ghosts 27: 216.

ceremony of conferring war honors 27: 439 sqq.

conception of Day and Night 27: 507.

customs in the eighteenth century 27: 50.

data on scalp and war dances of 40: 548.

divisions of the 37: 181.

feast of soldiers 27: 309, 500.

food supply of the 27: 45.

games of the 24:

archery 383, 394.

dice games 188 sq.

hoop and pole 517.

shinny 641.

snow-snake 419.

tops 747.

general account of the 27: 41 sq., 452.

gens of several tribes 27: 47, 67, 217.

Ghost dance among the 14: 816, 902.

habitat of the 7: 113, 115.

hunting ground of the 27: 89.

legends of the 27: 47-50, 446.

linguistic classification of the 27: 605.

manner of wearing hair 27: 132.

"mark of honor" among the 27: 506, 507.

meaning of term lost 27: 40.

murder among the 27: 216.

name applied to English by the 27: 611.

Omaha name for the 27: 101.

party to treaties 27: 73, 74, 218, 376.

personal names of the 27: 51-57.

population and villages of 27: 51.

Ponca—Continued

- population of the 7: 117.
- punishment of offenders among 27: 48.
- recent history of the 27: 51.
- references to 27: 29, 67, 73, 194, 217.
- relation of, with other tribes 27: 35, 37 sq., 39; 36: 45, 46.
- removal of 27: 635 sq.
- removal of, to Indian territory 5: 364.
- report of, on Hako ceremony among Pawnees 22, ii: 13.
- rites and customs of gentes 27: 42-47.
- ritual connected with tribal hunt 27: 442-446.
- separation from Omaha 27: 78 sqq.
- separation from Osage 27: 38.
- Thunder society 27: 490 sq.
- traditions of the 27: 38, 40, 41.
- tribal circle of the 27: 42.
- tribal customs of the 43: 94.
- tribal organization of the 27: 48, 61, 140.
- visit of, to Washington 34: 28.
- warfare with Omaha 27: 87.
- Wa'waⁿ ceremony 27: 400 sq.
- We'toⁿ waaⁿ among the 27: 423.
- See also Ponka*; and names of gentes and of other divisions.
- Ponca City, Iowa**, reference to 27: 86.
- Ponca Dialect**, word of, in Osage rituals 39: 186 sq.
- Ponca River**, reference to 27: 92.
- Pon'caxti**, *gens of Ponca*
 - account of the 27: 44 sq.
 - personal names of 27: 54 sq.
 - reference to 27: 41, 42, 48.
- Ponce, Juan**
 - cacique shot by 25: 146.
 - slayer of Aguebana the Second 25: 38.
- Ponce de Leon**
 - defeat of natives by 25: 40.
 - native name assumed by 25: 34.
 - relations of, with Aguebana the First 25: 36.
- Ponceau, du** — 46: 340.
- Ponchos**
 - as neck wraps 45: 233.
 - description of 45: 77.
 - use of 45: 235.

Pond, G. H.

- cited on beliefs 11: 375.
- quoted on beliefs 11: 446.
- quoted on Heyoka gods 11: 468.
- quoted on Indian beliefs 11: 432, 494.
- quoted on mystery dance 11: 440.
- quoted on Sun dance 11: 450.
- reference to work of 11: 363.
- Pond Lily**, large yellow 33: 79.
- Ponderas**. *See* **Pend d'Oreille**.
- Po'nepoyannē**, description of 23: 417.
- Ponera Clavata**. *See* **Counterirritants**.
- Ponio** war symbols 4: 88.
- Ponka**
 - a Çegiha division 15: 162.
 - armor not used by the 13: 287.
 - arrows of the 13: 287.
 - bark baskets of the 13: 278.
 - belief of, as to future life 11: 419.
 - chiefs, initiation of 3: 359 sq.
 - cults, description of 11: 371.
 - dancing societies 3: 355.
 - dwellings, furniture and implements of 13: 269.
 - early history of the 15: 192.
 - games 3: 334, 336, 337, 339, 340.
 - gentile system of the 15: 228.
 - land cessions and reservations 18: 818, 836, 886, 888, 892, 904, 938.
 - mention of the 4: 131, 133, 134.
 - migrations of the 3: 212 sq.
 - mode of camping 3: 219.
 - only one pipe in Pipe dance of 3: 282.
 - personal names of the 10: xix.
 - population of the 15: 192.
 - researches concerning the 11: xxxi.
 - reservation 4: 125.
 - ropes of the 13: 281.
 - secret society among the 6: 396.
 - settlement of, on Cherokee Strip 19: 151.
 - status of chiefs among the 15: 221.
 - study of feather symbolism of the 19: xx.
 - study of fraternities and cults of the 19: xlviii.
 - terms 11: 367.
 - thunderbird and cedar among the 15: 183.

- Ponka**—Continued
 tribal designations of the 10: 386 sq.
 tradition of the Sacred Pole 3: 234.
See also Ponca.
- Ponka Fort, Old** 3: 313.
- Ponobi Kiva** of Oraibi, wall lathing of 8: 126.
- Pontiac**
 ball game during conspiracy of 14: 130.
 confederacy of 19: 41, 234.
 character of 14: 668.
 hostility of, toward English 14: 18.
 manuscript, reference to 14: 663.
 Menomini participation in conspiracy of 14: 51.
 wampum belt of 10: 230.
- Pontima**, Antelope priest, description of 19: 984 sq.
- Pontitok Creek**, treaty of 18: 738.
- Pontotoc, Miss.**, trails of 42: 816, 821.
- Pontotoc County, Miss.**, route from, to Natchez 42: 814 sq.
- Ponus**, sale of land by 18: 616.
- Pony Fetish**
 of the Navaho 2: 44.
See also Horse.
- Pöökong.** *See Hopi, mythology of.*
- Pool, Elizabeth**, purchase of land by 18: 607.
- Poole, Francis**, on stick game, Haida 24: 260.
- Poor**, provision for the 42: 182.
- Poor Bear.** *See Gúañtekána.*
- Poor Buffalo**
 a Ghost dance leader 14: 908.
 Kiowa Messiah delegation under 14: 907.
 portrait of 14: 908.
See also Pá-tádal.
- Poore, Henry R.**, on Taos 29: 182.
- Poosepatuck**, dialect of 43: 214.
- Poo-yah-to-yeh-be.** *See Púwi-Tóyābi.*
- Pope, George**, petroglyphs described by 10: 117.
- Pope, John**, on influence of wild rice on geographic nomenclature 19: 1123.
- Pope, Gen. John**
 campaign of, in 1874 17: 204.
 on Kiowa character 17: 235.
 on Kiowa habitat 7: 84.
- Pope, Gen. John**—Continued
 on outbreak of 1874–1875 17: 199.
 on the Hueco Tanks 17: 302, 305.
- Popé**, leader in Pueblo rebellion 13: 329.
- Pope's**, treaties of 18: 748.
- Pope's Creek, Md.**
 boulder deposits on 15: 71.
 collection from 28: 21.
 pottery of 20:
 difference between Potomac Creek pottery and 154 sq.
 mention of 153 sq.
 resemblance of Delaware Valley pottery to 177.
 resemblance of District of Columbia pottery to 156.
- Popgun**
 used by the 24:
 Arikara 758.
 Cheyenne 758.
 Dakota, Oglala 759.
 Dakota, Teton 759.
 Omaha 759–760.
 Sauk and Foxes 758.
 Siouan stock 758.
 Yokuts 759.
- Poplar, Balsam**, use of 44: 291.
- Poplar Bark**, finish given by use of, in firing 20: 54.
- Poplars**
 a Black Corn group 47: 270, 271.
 officials of 47: 271.
- Popokak** 46: 192.
- Popol Vuh**
 Bat house mentioned in 16: 225.
 mythic bird mentioned in 16: 220.
 reference to monkey in 16: 243.
- Popoloca**, numbers of 19: 872, 930.
- Popped Corn**, preparation of 30: 76.
- Population**
 affected by smallpox 46: 465.
 Alabama 42: 150.
 causes of reduction in 46: 625.
 Cherokee 19: 11, 34, 39, 103, 112, 125, 136, 150, 155, 156 sq.
 Cherokee loss in, through Civil War 19: 150.
 Coeur d'Alène 45: 39 sq.
 decrease in 45: 315.
 East Cherokee 19: 166 sqq., 172, 176, 179, 180.
 effect on, of intoxicating drinks 46: 465.

Population—Continued

enlargement of pueblos necessitated
by increase of 8: 70.

Eskimo 11: 176; 46: 181.

increase of 46: 405.

Indian, in the wild rice district 19:
1106-1114.

Indian, investigation of 30: 18.

Indian, of the United States, statis-
tics of 18: 537.

Indian, paper on 45: 2.

Indian, work of James Mooney on
34: 13.

Kansa 27: 66.

Kiowa 17: 235.

Kiowa Apache 17: 253.

Koasati 42: 150.

Mohegan 43: 212.

of all wild rice consuming Indians
19: 1055.

of ancient cavate lodges 13: 251.

of ancient pueblos 13: 203, 211,
259, 300.

of Awatobi 17: 605.

of Casa Blanca 16: 105.

of Casa Grande 13: 300.

of cliff dwellings 16: 98, 135, 196.

of Dakota Confederacy 15: 190.

of Gordon town 41: 553.

of Honanki 17: 567.

of Indian tribes, discussion of 7:
33-40.

of Isleta 47: 209.

of Pakashi-izini ruin 16: 99.

of Point Barrow Eskimo 9: 43.

of the Assiniboin 15: 191; 46:
396 sq.

of the Flathead group 45: 314 sqq.

of the Menomini 14: 17, 32.

of the Okanagon group 45: 211 sqq.

of the Siouan stock 15: 166, 199.

of the Zuñi 13: 367.

Omaha 27: 33 sq., 642.

Osage 36: 46.

paper on, by J. Mooney 41: 56.

Pequot 43: 213.

Pima 26: 20 sq.

Ponca 27: 51.

proportion of warriors to 14: 33.

Quapaw 27: 67.

Saline River region 42: 808.

Seri 17: 71, 87, 95, 96, 100, 113,
134* sq.

Population—Continued

statistics, difficulty of obtaining 14:
33.

Texas Cherokee in 1838 19: 145.

Yukon 46: 130 sqq., 133.

Zuñi 47: 475.

See also names of various tribes.

Populo, location, duration and size of
17: 69 sqq.

Populus, medicinal use of 42: 660.

Populus Balsamifera

medicinal constituents of 44: 304.

medicinal properties of 44: 302.

use of 44: 291, 307, 320, 338, 350,
358.

Populus Deltoides Marsh. *See* Cot-
tonwood.

Populus Sargentii 33: 72.

Populus Tacamahacca 45: 497.

Populus Tremuloides 45: 464, 483,
497, 504.

Porch Posts 8: 81, 82.

Porcupine (1)

account of Messiah by 14: 793 sq.

effect of Messiah visit of 14: 818.

Ghost song composed by 14: 1028.

statement of, concerning Messiah
14: 819.

visit of, to Wovoka 14: 703, 784,
803, 817, 894.

Porcupine (2)

folktale of the 14: 210.

Tsimshian story of 31: 112.

See also Porcupines.

Porcupine Clan, origin of 32: 654.

Porcupine Grass 33: 66.

Porcupine Hunter, story of 31:
108 sq.

Porcupines

associated with the north wind 37:
503.

bones of, thrown in the fire 31: 449.

figures of, on pottery 17: 669.

found by Coronado at Cibola 14:
560.

must not be smoked out of their
dens in winter 31: 449.

quills of, use of 46: 590, 591.

quill-work 42: 690.

skins of, used in embroidery 13: 28.

spines of, used for necklaces 38:
§ 534.

taming of 38: § 723.

See also Porcupine (2)

- Pork, Indian, quality of** 19: 82.
- Porphyry Stone Chips, for graters** 38: § 338.
- Porpoise**
among the Tlingit 26:
 crest animal 416.
 name used in game 444, 445.
 on grave post 432.
 source of personal names 422.
 varieties of 458.
 beliefs concerning 30: 243.
 butchering of 35: 446.
 distribution of 35: 750.
 head and tail given to steersman 35: 447.
 intestines of, thrown into sea 35: 447.
 names of parts of body of 35: 450.
 origin of 30: 121, 245.
 place of, in Seri dietary 17: 193*.
 preparation of 35: 448.
- Porras, Padre** —, missionary labors of 17: 595, 599, 600, 605.
- Port Clarence**
 implements from 18: 80, 87, 89, 121, 134, 139, 146, 171, 182.
 mention of 46: 89, 117, 121.
 musical instruments from 18: 353.
 old sites of 46: 197.
 people of 18: 26.
 skeletal parts from 46: 313.
 tobacco implements from 18: 283.
 transportation apparatus from 18: 226.
- Port Clarence Crania**
 basiofacial diameters 46: 279–282.
 dental arch 46: 276.
 facial 46: 266.
 facial angles 46: 285.
 means 46: 286.
 mention of 46: 257, 259, 260, 262, 263.
 nose 46: 268, 270.
 orbits 46: 274.
 skulls 46: 232, 233, 236, 237.
- Port Guichon, design on basket from** 41: 236.
- Port Heiden** 46: 189.
- Port Madison Reserves**
 changes in 18: 834.
 establishment of 18: 800.
- Port Moller** 46: 189.
- Port Royal, importance of records of** 42: 679.
- Port Safety** 46: 196.
- Port Tobacco River, boulder deposits on** 15: 71.
- Portage**
 Guiana Indian 38: § 801.
 method of making, among Northern Indians 11: 306.
 Yukon-Kotzebue Sound 46: 127.
 Yukon-Kuskokwim 46: 127.
- Portage de(s) Sioux, treaties of** 18: 680; 27: 622.
- Porter, —**
 on Crow habitat in 1829 15: 198.
 on Osage habitat 15: 192.
 on Oto habitat 15: 195.
- Porter, G. B., treaty concluded by** 18: 774.
- Porter, J. Hampden, on ceremonial scratching among Indians** 9: 492.
- Porter, Prof. Samuel, on thought without language** 1: 277.
- Porter, Thomas C., on wild rice in Pennsylvania** 19: 1032.
- Porter-Johnson Episode, account of** 17: 121 sq.
- Porter, Pleasant. See Pleasant Porter.**
- Porteranthus, species of, used medicinally** 42: 667.
- Porto Rico**
 aboriginal objects collected in 23: xli.
 aborigines of, article on 28: 13.
 absence of axes in 34: 131.
 archeologic survey of 23: xxviii.
 archeological reconnaissance in 25: xiv sq., xxvi, xxviii.
 archeological sites 25:
 caves 87 sqq., 155.
 dance plazas 79–85.
 general discussion of 78 sq.
 shell heaps 85 sqq.
 artifacts and customs of 23: xiv.
 as a field for folklore 25: 75.
 beads from 25: 109.
 canoes from 25: 209.
 center of an Antillean culture 25: 90.
 climate of 25: 21, 22.
 contour of 25: 129.
 cultural relations of inhabitants of 34: 169.
 culture area 34: 168–240.
 ethnologic material from 21: xii.
 excavations in 34: 51.

- Porto Rico**—Continued
 fauna and flora of 25: 22.
 field work in 21: ix; 23: ix, xvii, xxvii sq.
 geology of 25: 21, 22.
 highest culture developed in 34: 169.
 Latimer collection from 34: 131.
 location of 25: 21.
 modern houses of 25: 41, 43, 45, 47.
 monographic treatment of 25: 19 sq.
 mounds in 25: 82 sq.
 number of specimens from 34: 49.
 people of 25: 24 sqq., 215.
 physical features of 25: 21 sq.
 pictography in 25: 149–159.
 prehistoric implements of 24: xiii sq., xxvii sq.
 prehistoric political divisions of 25: 35–40.
 researches in 27: 8.
 skeletal remains in 25: 29 sq.
 visits of Dr. J. W. Fewkes to 25: 17.
zemis of, investigation of 23: xl.
See also **Archeological Objects; Borinquenios; Carib; West Indies.**
- Portolá, Gaspar de**, extract from diary of 44: 44 sq.
- Portolá Expedition**, Syujtun mentioned in records of 44: 36.
- Portraits**
 objected to, at Isleta 47: 245.
 restrictions on 30: 299.
See also **Photographs; Photoportraits; Pictures.**
- Portraiture**, absence of use of pottery for, among American aborigines 20: 25.
- Portsmouth, Ohio**
 remains in vicinity of 44: 491.
 trails near 42: 786.
- Portsmouth, R. I.**, petroglyphs at 10: 113.
- Portuguese Gentleman.** *See* **Elvas.**
- Posey** —, contract made by 18: 673, 689.
- Pó'shaiyank'ya** or **Po'-shai-an-k'ia**
 a prey god, Zuñi myth of 2: 16.
 of Zuñi mythology 13: 381.
- Poskita.** *See* **Busk** (1); **Busk** (2).
- Poso Verde** in Pima legend 28: 48.
- Posonwú**, pueblo of, speaks same language as Hano clans 19: 614.
- Posówe**, a former Tewa pueblo 8: 37.
- Possession**
 demoniac, belief in 30: 168.
 pictographic signs for 10: 598.
 right of 1: 252.
 sign of 1: 484, 524.
- Possessive Pronoun**
 Arapaho 28: 235.
 Fox 28: 256.
- Possiru**, the old-time five-pronged arrow from Cayenne 38: § 141.
- Possum.** *See* **Opossum.**
- Post, Father** — 46: 86.
- Post-mortem Trephining**, absence of 16: 65, 71.
- Postley, Miss** —, work of 25: xxv.
- Poston, Col. C. D.**, reference to 28: 149.
- Poston, Charles D.**
 on Antonio Azul 26: 196.
 on cottonseed furnished Pima 26: 77.
 on morality of Pima 26: 198.
 on Pima irrigation 26: 32.
 superintendent for Indian affairs in Arizona 26: 33.
- Poston Butte**, reference to 28: 114.
- Posts**
 at head of the dead 40: 358, 371, 421.
 burial 1: 197.
 of a house, ability to speak 30: 125, 233.
 of porch, remains of, at Hawikuh and Ketchipauan 8: 81, 82.
 sunk in floor forming part of loom 8: 212.
- Postures, Ritual** 47: 283.
- Pot**
 lucky, legend of 30: 302, 303.
 toy, buried with child 41: 604.
See also **Pots; Pottery.**
- Pot-shaped Baskets** 41: 204.
- Pot-shaped Vessels** 4: 392–398.
- Pot-spoon**, washing 30: 241, 252, 267.
- Pot-stands** 38: § 392.
- Potalia Amara**, antidote for cassava poison 38: § 930.
- Potano Tribe**, mention of 42: 324.

Potato Clan

- native names for 42: 115.
- story concerning 42: 108, 109.

Potatoes

- among the Cherokee 19: 214, 492.
- among the Guiana Indians 38: § 246.
- Indian 33: 94.
- marsh, use of 42: 692.
- sweet, aversion of spirits for 30: 179.
- transformation of 30: 246.
- use of, for food 30: 71.
- wild, the first of the vines to grow 21: 226.

Potawatomi Indian or Tribe

- absence of Ghost dance among the 14: 816.
- and Dakota early contact 15: 190.
- and Ottawa intermarriage 14: 44.
- and Ottawa relationship 14: 44.
- at Braddock's defeat 14: 16.
- ceremony of, similar to Fox 40: 504.
- culture hero of 40: 375.
- dance introduced by the 40: 356.
- disciples of Kānakuk 14: 696 *sq.*
- Dreamer society of the 14: 157.
- eat wild rice 19: 1083.
- games of the 24:
 - archery 383, 385.
 - dice games 85.
 - hidden ball 344, 385.
 - stick games 231.
- Ghost dance among the 14: 902.
- habitat of the 28: 290.
- habitat of the, in 1634 14: 15.
- in wild-rice district 19: 1053.
- land cessions and reservations 18:
 - 650, 654 *sqq.*, 662 *sqq.*, 666 *sqq.*, 674 *sqq.*, 676 *sqq.*, 680 *sqq.*, 684-688, 692, 702 *sqq.*, 710 *sqq.*, 716, 718, 722 *sqq.*, 738, 740 *sqq.*, 750, 752, 754, 756, 758, 760, 762, 766, 778, 824, 844, 856, 940.
- linguistic investigations among the 28: 225.
- meaning of tribal name, history, migration, and settlement of 19: 1039, 1053.
- mention of the 4: 220.
- mounds of the 5: 34; 12: 110.
- Omaha name for the 27: 102.

Potawatomi Indian or Tribe—Con.

- origin of the tribe 19: 1039.
- population of the 7: 50; 19: 1108, 1109, 1110.
- population of, consuming wild rice 19: 1053.
- property right of, in wild rice 19: 1073.
- reference to the 40: 37.
- settlement of, at Tippecanoe 14: 684.
- store wild rice in birch bark boxes 19: 1072.
- story of Nanaboojoo 14: 207.
- study of 39: 19.
- study of history of 30: 19, 20.
- territory occupied by the 37: 77.
- thrash wild rice 19: 1069 *sq.*
- wild rice death feast of the 19: 1091 *sq.*
- wild rice moon of the 19: 1089.

Potawatomi Language

- classification of, by Dr. T. Michelson 36: 18.
- description of 28: 261 *sq.*, 265-269.
- examples in comparison with 28:
 - Algonkin 259, 262, 271.
 - Central Algonquian 245.
 - Cree 245, 262.
 - Cree-Montagnais 259.
 - Fox 259, 262.
 - Kickapoo 259.
 - Menominee 259, 262.
 - Natick 271.
 - Ojibwa 245, 259, 262, 271.
 - Peoria 259, 262, 271.
 - Sauk 259.
 - Shawnee 259, 262.

grammar of 36: 29.

relationships of 28: 238, 289, 290a.

Potawatomi Mills, treaty of 18: 754.

Potawatomi Prophet, account of 14: 705.

Potential Subjunctive Mode, Fox 28: 259.

Potentilla Anserina 45: 480.

Potentilla Canadensis, medicinal use of 42: 667.

Potentilla Glandulosa 45: 469, 494.

Potentilla Monspeliensis, use of 44: 291, 342.

Potentilla Palustris

- medicinal constituents of 44: 304.
- medicinal properties of 44: 302.
- use of 44: 291, 344.

Potherie, Baqueville de la

- illustration from 20: 34.
- on Indian nets 13: 26.
- on Indian sleeping mats 13: 20.
- on Indian spinning 13: 23.
- on Indian weaving 13: 22.
- on Iroquois burial customs 5: 364.
- on Iroquois ceremonial mats 13: 21.
- on surface burial 1: 140.

See also Baqueville de la Potherie.

Pothos Macrophylla for basketry
38: § 100.**Potlatch**

- after payment of marriage debt 35: 779.
- as insult 35: 1030.
- assistance rendered by tribe 35: 1340-1344.
- children give, on the death of man or woman 31: 427.
- first, of child 35: 993.
- giving many, becomes chief 31: 440.
- Haida 26: 434 sq.
- mention of 35: 692, 784, 841, 844, 863, 865, 866, 869, 873, 875, 877, 879, 881, 883, 887, 888, 890, 894, 901, 903, 958, 963, 967, 970, 972, 974, 983, 985, 997, 1013, 1021, 1028, 1029, 1072, 1079, 1095, 1349, 1351; 46: 130, 133.
- Tanana 46: 42, 44.
- Tlingit, conflicts at 26: 449.
- Tlingit, customs at 26: 433-438.
- Tlingit, description of, at Chilcat 26: 438-443.
- Tsimshian 31: 57, 427, 537-542.
- when a child is two years old 31: 511.

Potlatch Dance 35: 898.**Potomac-Chesapeake Province**

- archeology of 15: 71.
- characteristics of 14: 134.
- forms of tobacco pipes found in 20: 45.
- occurrence of pottery in, resembling that of Yadkin Valley, N. C. 20: 145, 148.
- pottery of 20: 150-157.
- relations of 20: 147.

Potomac - Chesapeake Province—**Continued**

- resemblance of New Jersey-New England pottery to that of 20: 175, 177.
- stone implements of 15: 13.

See also Middle Atlantic.

Potomac Creek

- pottery of 20: 154 sqq.
- pottery of, resemblance of District of Columbia pottery to 20: 156.

Potomac Indians, belief of 42: 709.**Potomac Region**, work in 13: xxvi.**Potomac River**, character of stone tools on the 15: 137.**Potomac Valley**

- occurrence of Iroquoian ware in 20: 164.
- shop sites in 15: 66.
- stone relics from 29: 21.
- work on pottery of 10: xxi.

See also Potomac - Chesapeake; Middle Atlantic.

Potoyanti land cessions and reservations 18: 780.**Potrero Reserve**

- change in 18: 886.
- establishment of 18: 884.
- prophecy of Indians of 14: 804.

Pots

- collection of cooking 3: 564 sqq.
- earthen, use of, as drums 20: 34.
- earthen, use of, for burial purposes 20: 38 sq.
- Florida Peninsula, rarity of 20: 118.
- Gulf Coast group 20: 105, 108.
- Middle Atlantic province, preponderance of 20: 175.
- Northwestern province, preponderance of 20: 187.
- Ohio Valley province, prevalence of 20: 184.
- of the Eskimo, description of 9: 90-93.

paint 3: 570-573.

South Appalachian province, occurrence of 20: 131, 132.

South Appalachian province, use of, in burial 20: 132 sq.

use of, in chimney construction 8: 179 sq.

See also Ollas; Pot; Pottery.

Potsherds

- around cavate lodges 13: 228.
- cavate fireplace lined with 13: 256.

Potsherds—Continued

- in Verde ruins 13: 213, 217.
- in Wisconsin mounds 14: 38.
- on boulder-marked sites 13: 235.
- use of, as tempering material, Eastern United States pottery 20: 46.

See also **Sherds**.

Po'tsikishi. *See* **Spruce Tree Order**.

Pottawatomi. *See* **Potawatomi**.

Potter, Milo M.

- hotel erected by 44: 60.
- information furnished by 44: 62.

Potter, T. W., on East Cherokee affairs 19: 179.

Potter, Prof. W. B.

- publication by 4: 367.
- reference to work of, on mounds of southeastern Missouri 12: 172.
- shell gorget owned by 2: 299, 303.

Potter, vase representing 20: 96.

Potter Valley Indians. *See* **Round Valley Reserve**.

Potter's Outfit, from Four-mile ruin, finding of 22, i: 158.

Pottery

- abandonment of 27: 617.
- aboriginal American 20: 19 sq.
- aboriginal American, characterization of paper on 20: xxvi sq.
- absence of 45: 53, 326.
- affected by environment 4: 482.
- age of 34: 261.
- among the Cherokee 19: 164.
- ancient, historic value of testimony of 19: 604.
- ancient Pima 28: 62.
- anticipated by basketry 4: 483 sqq.
- Antillean 25:
 - bowls 180, 181, 183, 184, 185 sq., 189, 190, 191.
 - canteens 180.
 - clay heads 181, 184, 188 sq., 191.
 - clay idols 187 sq., 189.
 - cooking pots 184.
 - dishes 180, 182, 184, 189.
 - flasks 180, 186 sq., 189.
 - fragments 191.
 - general description 179 sq.
 - handles 181, 184.
 - Huastec 280-283.
 - miscellaneous objects 191.
 - mortars 190.
 - ollas 181.
 - pitchers 182 sq.

Pottery—Continued

Antillean 25—Continued

- use of, by Borinquenios 107.
- vases 180, 182, 183, 184 sq., 189, 190, 191.
- whistle 191.
- zemis* 181.

Anvik 46: 58.

as an indication of an agricultural people 34: 77.

article of trade 38: § 828.

at Elden Pueblo 44: 2 sq.

baking of, by Zuñi 23: 375, 376 sq.

Barrow, near 45: 319.

beads of 41: 521, 522.

black, method of making 41: 522.

Bonasila 46: 58, 60, 142, 144, 145, 146, 147.

bowls of, found in mound 41: 373.

brown and black, from San Ildefonso 2: 457.

burial of, with the dead 4: 370, 434.

Casa Grande 28:

Bandelier's reference to 70.

decoration 133, 134, 137-142.

paddles used in manufacture 146 sq.

reference to 68.

specialized forms 133-137.

catalogue of, by James Stevenson 4: 205.

choice of clay for 38: § 89, 90.

classification of, by color and form 33: 216.

Clarke collection of 42: 4 sq.

clay used for 29: 582.

clay used for, by Zuñis 23: 374.

clay used for, restrictions on 30: 302 sq.

colors of 41: 527.

culture areas indicated by 34: 259.

débris used as sandpaper 38: § 21.

declined in quality with introduction of domestic animals 4: 496.

decoration of the Hopi 17: 569.

decorations on, suggesting Siouan relationships 41: 533.

description of 27: 340, 341.

designs more definite than color 33: 217.

development of art in 20: 49.

development of, from basketry 4: 359, 485.

developmental stage of 23: xxvii.

Pottery—Continued

- Dogfish village 46: 69.
- Eskimo 18: 201 *sq.*
- European, from mound 12: 321.
- excavated in Trinidad 34: 9.
- experiments by F. H. Cushing 13: xxx.
- fabrics impressed on 13: 37.
- feather designs on 33: 236.
- figured 38: § 96, 97.
- firing of 38: § 92.
- fish-shaped vessel 12: 192.
- flat-bottomed jar 12: 142-247.
- for cooking 37: 119.
- formerly made by the Menomini 14: 257.
- formerly made by the Omaha 13: 276, 277.
- found at Little Falls 15: 68.
- found at Sikyatki 14: 519.
- found in burials 41: 529, 587.
- found in New York 13: xxx.
- fragments 8:
 - Horn house ruin 51.
 - Kwaituki 57.
 - ruins on Oraibi Wash 55.
 - used in mud-plastered walls 139.
- fragments in Casa Blanca 16: 111.
- fragments of European, from Georgia mound 12: 326.
- fragments of, from house circle 41: 521, 523-527.
- fragments of, from Porto Rico 34: 131.
- fragments of, in burial 41: 538 *sqq.*, 600.
- fragments of, recovered from mound 44: 167; 48: 4.
- from ancient Walpi 17: 585.
- from Arkansas 4: 394-398.
- from Awatobi 17: 621-625.
- from Barbadoes 34: 86.
- from California 4: 447.
- from Cuba, character of 34: 252.
- from Elden Pueblo 43: 2 *sq.*
- from Greater Antilles, affinities of 34: 261.
- from Greater Antilles, comparison of 34: 259, 260.
- from Greater and Lesser Antilles, compared 34: 260.
- from Honanki classified 17: 570.
- from Lesser Antilles, affinities of 34: 261.

Pottery—Continued

- from mounds 37: 102.
- from Nacoochee mound 37: 3.
- from Payüпки 17: 584.
- from Porto Rican area 34: 236-240.
- from Pueblo ruins in Arizona 22, i:
 - classification of, by color and surface finish 58-61, 179 *sq.*
 - classification of, by form 61-69.
 - coarse, decorated, figure showing 65.
 - coarse, reference to 58.
 - colors of, black, reference to 59.
 - black and white, features of 59 *sq.*, 180.
 - gray, features of 180.
 - red, reference to 180, 192.
 - red and black, reference to 60.
 - red, black, and white, reference to 60 *sq.*
 - white and green, reference to 61.
 - yellow, reference to 59, 192.
 - decoration of 69-85, 114-119, 131 *sqq.*, 142 *sq.*, 166, 180 *sqq.*
 - arachnid designs on 81 *sqq.*
 - animal figures on 71, 72, 145, 153, 154.
 - bird designs on 73-81, 115-118, 146 *sqq.*
 - bird designs on, figures showing 74, 75, 76, 77, 78, 79, 80, 81, 115, 116, 117, 118, 132, 146, 147, 148, 154.
 - butterfly design on 81, 148.
 - butterfly designs on, figure showing 149.
 - feather designs on 73, 75-81, 149.
 - feather designs on, figure showing 149.
 - geometrical designs on 83 *sqq.*, 150 *sqq.*, 155.
 - human figures on, character of 70 *sq.*, 143 *sqq.*
 - human figures on, cuts showing 63, 70.
 - insect figures on, features of 81 *sqq.*
 - quadruped figures on, descriptions and figures of 71, 72, 145, 153, 154.

Pottery—Continued

- from Pueblo ruins in Arizona 22, i—continued
 - form and general features of 56 *sqq.*, 113, 129 *sqq.*, 142, 179 *sq.*
 - Gila type of 141, 193.
 - glazed, ruins furnishing 57.
 - mortuary types of, character and treatment of 158.
 - surface finish of, glazed 57.
 - polished, decorated, features of 58–61, 180.
 - polished, undecorated, features of 58, 180.
 - rough, decorated, character of 58, 179.
 - rough, figure showing 65.
 - undecorated, rough 58, 140, 179.
- from ruin of Lamy 29: 557 *sq.*
- from San Ildefonso 2: 463; 29: 308.
- from San Juan 2: 456; 29: 203, 208.
- from Santa Clara 2: 443.
- from Shuñopovi and Mishoñinovi 17: 582.
- from Sikyatki, discussion of 17: 650–728.
- from stone-slab graves 41: 530, 532 *sq.*
- from St. Kitts 34: 163 *sqq.*, 260.
- from St. Vincent area 34: 118–122.
- from Trinidad 34: 60, 67–74, 75, 76.
- from Tusayan 4: 451.
- from Utah 4: 449.
- from Verde and Colorado Chiquito compared 17: 573.
- from Wisconsin mound 12: 82.
- full-faced image vessels 12: 221.
- Gila Salt region 28: 156.
- glazed, from mound 12: 714.
- glazing, not found on aboriginal 2: 325.
- glazing of 34: 68.
- gourd-shaped vessel 12: 190.
- Hohokam 26: 165.
- Hopi, collection at Phoenix, Ariz. 33: 219.
- Hopi, museums containing collections of 33: 219.
- Hopi, paper on 40: 17.
- how colored 4: 50, 51.
- illustration of weaving 3: 393–425.

Pottery—Continued

- image vessels 12: 188, 205, 221, 235, 237, 263, 279.
- importance of, in study of man and his history 20: 18 *sq.*
- in Eskimo region 46: 173.
- influence of environment on 22, i: 122.
- Kwahadk' 26: 165, 186.
- Little Colorado ruins 28: 134, 137–141.
- Little Diomedes 46: 95.
- lustre and glaze of 38: § 93.
- manufacture of 2: 330; 27: 71; 38: § 91.
- Marx's ranch ruin 28: 213 *sq.*
- mended by Pueblos 4: 286.
- method of making described by Dumont 12: 682.
- mixing of clay by Zuñis 23: 374, 375.
- moccasin-shaped, from mound 12: 376.
- monograph on 23: xxvi.
- mortuary, from Awatobi 17: 617.
- mortuary, from Kawaika 17: 590.
- mortuary, from Sikyatki 17: 649.
- mound, and Indian compared 12: 681.
- not manufactured in Taos 2: 430.
- Nunivak Island 46: 121.
- of ancient Tusayan 17: 617.
- of Chiriqui 6: 53–186.
- of clay and steatite, comparison of 15: 132.
- of eastern Texas 40: 4.
- of Eastern United States 20:
 - chronology of 24.
 - color of 63 *sq.*
 - decoration of 64–67.
 - forms of 61 *sqq.*
 - functional grouping of 24–45.
 - geographical grouping of 20–23.
 - groups of 80–201.
 - manufacture of 48–60.
 - materials used in 45–48.
 - occurrence of 23 *sq.*
 - quantitative distribution of 23.
 - range of 22 *sq.*
 - size of specimen of 60 *sq.*
 - use and imitation of textiles in manufacture of 67–80.
- of Payupki, character of 8: 60.
- of Porto Rico 34: 172.

Pottery—Continued

- of the ancient Pueblos 4: 257-360.
- of the Arikara 46: 413.
- of the Mississippi Valley, ancient 4: 361-436.
- of the Pueblo Indians 14: 522.
- of the Seri 17: 10, 182*-185*.
- of the Siouan tribes 15: 171.
- of the Southwest 42: 690.
- on Saline River 42: 808, 809.
- ornamented 12: 247.
- owl-shaped vessels 12: 191, 386.
- Paimute, below 46: 67.
- painted vessels 12: 322.
- painting and patterns of 38: § 94.
- Papago 26: 136.
- Parowan 4: 292.
- Pastolik 46: 78.
- perforated, from North Carolina 13: 98.
- Picuris 29: 195.
- Pima 26:
 - character of 164 *sq.*
 - finished products 127-131.
 - implement 126.
 - material for 124 *sqq.*
 - mention of 124-131.
 - method 101, 126 *sq.*
- plain 4: 299 *sqq.*
- plants used in decoration of 30: 82.
- polishing stones of the Fijians 13: 99.
- Porto Rican, characteristics of 34: 58.
- Porto Rican, quality of 34: 169.
- pot-bearing serpent figure 12: 324.
- pots 12: 83, 319, 324.
- pots, pans, vessels 38: § 389 *sqq.*
- preparation and decorating of, by Zuñi 23: 375.
- preparation of memoir on 15: XXVIII, XXXVII, XLI, XLII.
- Pueblo 4: 257-360, 437-521.
- Pueblo, memoir on 23: xxvi.
- Pueblo, memoir on, in preparation 20: xiii.
- recovered from mound of Calusa origin 48: 4.
- red, from San Ildefonso 2: 462.
- red and brown, from San Ildefonso 2: 463.
- references to 29: 201, 331, 340, 380, 411, 442, 450, 455 *sq.*, 457, 466, 571.

Pottery—Continued

- restoration of vessels of 41: 575-583, 593 *sqq.*
- Russian Mission 46: 147.
- Santa Ana Keresans 29: 523.
- share played by women in 38: § 899.
- shell-shaped vessel 12: 259.
- Shinumo 2: 333.
- shortcomings of, in study of history of peoples 20: 19, 21 *sq.*
- Sia 11: 12.
- Sikyatki 28: 134, 137, 139 *sqq.*
- Sikyatki 33:
 - bird pictures on 228.
 - human figures depicted on 220.
 - life forms used in decoration of 220.
 - most elaborately decorated in Southwest 217.
 - no masks or headdresses shown 221.
 - purely aboriginal and prehistoric 217.
- smashed at death 38: § 865.
- sold to tourists 47: 33.
- Southwestern and Mexican areas, comparison of 28: 137-142, 158 *sq.*
- stone age, of Old and New World, comparison of 34: 54.
- studies of 13: xxxv; 15: LI, LV, LIX.
- superiority of ancient to modern 33: 220.
- table showing results of study of 41: 606.
- Tainan 34: 261.
- Tano 29: 512.
- Tanoan epoch 33: 266.
- technologic importance of 23: xxvi *sq.*
- Tewa 29: 523, 532, 534.
- tripod vessels 12: 189, 210, 322.
- trowel made of 41: 547.
- urns, in mounds at Santa Rita 19: 678-685.
- use of textiles in manufacture of 13: 11.
- vessels with figure engraved thereon 12: 324.
- Walnut Creek region 28: 220.
- water bottles 12: 222, 223.

Pottery—Continued

Watron collection, source unknown, but probably from Sikyatki 33: 220.

white decorated 2: 449, 457, 465.
Yukon 46: 46, 82, 135, 145, 147.

Zuñi method of baking 2: 330.

See also **Collection; Earthenware; Iroquoian Pottery; Modern Pottery Making; Painted Pottery; Pottery-making; Vessels, pottery;** and names of various tribes, places and utensils.

Pottery-making

Isleta 47: 212, 351, 357.

Laguna 47: 351, 357.

See also **Pottery.**

Pottery Rests 34: 70, 86, 120, 121.

Pottery Stamps. *See* **Stamps.**

Pottery Vessels, decoration of 36: 10.

Pottowomeck Village, location of 20: 155.

Poualak, identification of, with Dakota 15: 190.

Pouches

decoration of 45: 49 sq.

ornamentation of 41: 355.

tobacco, description of, Point Barrow Eskimo 9: 68 sq.

See also **Bags.**

Pougouly, arrow poison 38: § 123.

Poultry

among the Pima 26: 81, 86.

house of Sichumovi 8: 167.

houses of the Menomini 14: 255.

raising of, among the Cherokee 19: 82.

Pousse, —, certain symbols interpreted by 16: 224.

Poverty

among the Sia 11: 112.

attitude toward 47: 137.

Powa, derivation of 21: 125.

Powamû

appearance of Wupumau in 21: 91, 92.

application of name Bean-planting to 21: 52.

advent of ancients of Katcinas clans 21: 57.

bird dances in 21: 25.

ceremony of the Hopi 17: 702.

Powamû—Continued

description of 15: 274; 21: 22, 31-39, 84, 85.

duration of 21: 20.

fraternities taking part in 21: 23.

Hopi festival 21: 24.

katecinas appearing in 21: 67.

participation in Powamû festival by 21: 67.

resemblance of, to Pamûrti 21: 26.

return of Ahûl from 21: 122.

significance of 21: 16.

variation in 21: 19.

Powamû Katcinas, festival of 21: 38.

Powamûryawû, Hopi ceremony in 21: 22.

Powder

hair, used by Indians 9: 535 sq.

of grass and straw used as food 9: 519 sq.

sacred, general use of, among Indians 9: 528 sq.

sacred, on dance ground 14: 918.

sacred, use of, by various peoples 9: 513-517.

sacred, use of, in battle 14: 790.

See also **Pollen.**

Powder Chargers, Eskimo 18: 164 sq.

Powder Flasks, Eskimo 18: 165.

Powell, Dr. J. W., material collected by 24: 259, 263.

Powell, Maj. John Wesley

acknowledgments to 13: 378; 15: 18; 25: 18.

administrative report by 20: viii-xxv.

American linguistic stock of, cited 19: 932.

archeological reconnaissance by 25: xxvi.

Bureau of American Ethnology founded by 41: 99, 103; 48: 1187.

cited 30: 35.

cited on Indian beliefs 11: 524.

cited on Indian personal names 10: 444.

classification of Creek Indians by 20: 130.

classification of languages by 11: xxx, 10.

classification of primitive beliefs by 15: 178; 16: 22.

Powell, Maj. John Wesley—Con.

- classification of Seri by 17: 108.
- contributor to Bureau 48: 1189.
- copper obtained by 12: 308.
- death of 24: ix.
- definition of state by 3: 215.
- early records of Indians collated by 15: 186.
- examination of quarry shops by 15: 52.
- field work by 20: xi; 21: x, xiii; 22, i: x.
- influence of, on American philologic research 24: xxii.
- learned real name of Indian 4: 171.
- linguistic classification by 26: xxiii.
- linguistic data collected by 25: xix.
- material collected by 24: 166, 311, 335, 358, 495, 633, 743, 791.
- mention of 48: 1187, 1188.
- monument to 30: 15.
- Mutsun researches of 7: 70.
- Noje vocabulary of 7: 135.
- nose ornaments collected by 2: 227.
- obituary of 24: xxxv sqq; 48: 1221.
- obtained Moki dolls with headdresses 3: 105.
- office work by 20: xii, xiii sq., xvii, xx, xxi: 22, i; xxiv, xxx sq., xxxiii.
- on ancient people of Upper Verde-Walnut Creek region 28: 186.
- on Arizona cavate lodges 13: 223.
- on California number names 19: 871.
- on classification of Indians 4: 97.
- on classification of sociology 15: 199, 200, 201, 203.
- on Cochiti 29: 439.
- on Hûchnom numerals 19: 912.
- on Indian linguistic stocks 14: 525.
- on Indian orthography 1: 484.
- on inflexions in Indian languages 1: 351.
- on inhabitants of cavate dwellings near Flagstaff 22, i: 35.
- on kinship terms 13: 372.
- on Laguna 29: 540.
- on law of activital similarities 19: 827.
- on linguistic classification 1: 403.
- on linguistic literature 7: 22, 23, 24.
- on mystical numbers 19: 835.
- on Navaho gods 8: 244.

Powell, Maj. John Wesley—Con.

- on Picuris 29: 193.
- on Santa Clara cavate lodges 13: 224.
- on Taos 29: 181.
- on the chief Kanats 17: 325.
- on Tyuonyi 29: 411.
- on word Nahuatl 19: 866.
- Oraibi ceremony described by 16: 290.
- paper on Indian linguistic families by 7: 1-142.
- philology, or the science of activities designed for expression 20: cxxxix-clxx.
- plate of copper from Illinois mounds obtained by 5: 105.
- publications in charge of 24: xxv.
- quoted on the Paiute 14: 1084.
- report of 5: xv-liii; 6: xxiii-lviii.
- ruins found by 17: 532.
- separated the Yuki language 7: 136.
- shell disk collected by 2: 273.
- shell spoon collected by 2: 199.
- sociological studies of 21: xx.
- sociology, or the science of institutions 20: lix-cxxxviii.
- sophiology, or the science of activities designed to give instruction 20: clxxi-cxcvii.
- spider myth obtained by 2: 286.
- stone graves or cists mentioned by 1: 113.
- stone knives collected by 14: 283.
- technology, or the science of industries 20: xxix-lvii.
- Tusayan secret ceremonials described by 11: 13.
- Wishoskan researches of 7: 133.
- work of 7: xviii-xxiv; 8: xxiii; 9: xxvii, xxxv; 10: xviii.
- work of, in comparative philology 21: xxiii.
- Powell Valley**, trail through 42: 795, 796.
- Power Myth**, development of 19: lxxxiii sq.
- Powers, Miss Emma B.**, work of 39: 24, 28; 40: 18; 41: 18, 42, 70, 93, 114; 42: 17; 43: 16; 44: 16; 45: 17; 46: 14; 47: 12; 48: 18.

Powers, John, minister of Shaker church 14: 758.

Powers, Stephen.

Cahroc tribe of 7: 100.

cited on artificial boundaries of Indian hunting and fishing claims 7: 42.

cited on Pacific Coast tribes 7: 54.

description of shell beads by 2: 239.

description of shell ornaments by 2: 233.

linguistic literature of 7: 22.

material collected by 24: 167, 178, 323, 333, 499, 553, 662.

on acorn shellers of California 13: 88.

on arrow-chipping by the Klamath 13: 140.

on arrow-chipping in California 13: 142.

on burial dances 1: 192.

on burial songs 1: 194.

on burial superstitions 1: 200.

on California number names 19: 871.

on ceremonial weapons in California 13: 116.

on dice game, Nishinam 24: 154 *sq.*

on dice game, Paiute 24: 167, 168.

on dice game, Yokuts 24: 140.

on double ball, Nishinam 24: 661.

on double ball, Paiute 24: 662.

on four-stick game, Paiute 24: 334.

on games of the Kailtas, Tlolding 24: 238.

on geographic extent of quinary vigesimal system 19: 924.

on habitat of Weitspekan tribes 7: 132.

on hand game, Gualala 24: 289, 298.

on hand game, Huchnom 24: 323.

on hand game, Nishinam 24: 298.

on hoop and pole, Paiute 24: 499.

on Indian customs 4: 49, 64, 195, 197.

on Klamath use of tubes 13: 127.

on Konkau myth 24: 296 *sq.*

on origin of cremation 1: 144.

on Pit River Indians 14: 1052.

on racket, Gualala 24: 294.

on racket, Pomo 24: 594 *sq.*

on ring and pin, Paiute 24: 553.

on Se-nél cremation 1: 147.

Powers, Stephen—Continued

on Shasta stone flaking 13: 172.

on Shoshoneans of California 7: 110.

on spirally feathered arrows 13: 178.

on stick game, Hupa 24: 235.

on the Chimarikan family 7: 63.

on the Miwok name of the Moquelumne River 7: 92.

on the Nozi tribe 7: 135.

on the Pit River dialects 7: 97.

on tossed ball, Nishinam 24: 710.

on use of bolas in California 13: 95.

on use of mortars in California 13: 96.

on Yuki burial 1: 99.

Pujunan researches of 7: 100.

Washoan vocabularies of 7: 131.

Powers

abode of 22, ii: 29.

lesser 22, ii:

function of 27.

Pawnee idea of 283, 284, 285.

manner of descent of, to man 22.

presentation of Hako party to 63-68, 297 *sqq.*

presentation of Hako party to, diagram of movements made during 67.

of Omaha 3:

keepers of sacred pipes 363.

keepers of sacred tents 362.

policemen 363.

principal chiefs 362.

subordinate chiefs 362.

recognized in Siouan concept 11: 534.

symbolic, steps in recognition of 22, ii: 68, 93, 299, 309.

Poweshiek, Horace

paraphrase by 40: 378.

references to 40: 27, 28, 295.

translation made by 40: 27; 42: 7.

Powhatan

deerskin mantle of 10: 209.

flute used by 42: 703.

reference to 42: 693.

sale of land by 18: 564.

"treasure house" of 42: 688.

tribute exacted by 42: 705.

- Powhatan Confederacy**, connection of, with Potomac-Chesapeake ware 20: 150.
- Powhatan Indian**
 arrow chipping of the 13: 141.
 Cherokee relations with 19: 14.
 customs of the 42: 691, 694, 708, 709.
 early habitat of the 15: 134.
 games of the 24:
 football 697, 699.
 shinny 622.
 stick games 232.
 hair dressing of the 42: 684.
 migrations of the 43: 223.
 name for the Cherokee 19: 16, 29, 183.
 stone flaking by the 15: 62.
 study of language of 13: xli.
 weapons of the 15: 85.
 work on 10: xx.
- Powhatan, Va.**, site bought with copper 5: 94.
- Powis, *Crax* sp.**
 bina for 30: 282.
 feathers for arrows 38: § 132.
 feathers for ruffs, mantles 38: § 538.
 legend of 30: 201 sq.
 method of hunting of 38: § 159, 180.
 taming of 38: § 724.
 time for hunting of 38: § 937.
- Pownall, Governor**—, map by 17: 64.
- Pownall Map**, location of Totteroy River on 7: 114.
- Powoiysnoit**, Menomini treaty signer 14: 28.
- Poyi**, on advent of clans at Walpi 19: 585.
- Poynter, Robert H.**, statement of, regarding burial of an Indian chief 12: 678.
- Pradt, Capt. George H.**
 on dice games, Keres 24: 122 sq.
 on Pogueate 29: 538, 539.
- Prague, Czechoslovakia**, West Indian objects in museum at 34: 50, 234.
- Prairie**, a Kiowa Apache synonym 17: 245.
- Prairie Aster** 33: 133.
- Prairie Clover**, use of 44: 291, 338.
- Prairie-dog Food** 33: 132.
- Prairie Dogs**
 myth concerning 19: 449.
 seen by Coronado on Great Plains 14: 510, 528.
- Prairie du Chien**
 pottery from vicinity of 4: 430.
 reservation at 18: 712.
 treaties of 7: 112; 18: 710 sqq., 714, 722 sqq., 726, 760, 762, 764; 27: 72, 622.
- Prairie du Rocher, Ill.**, petroglyphs near 10: 80.
- Prairie Fires**
 calendar record of 17: 354.
 effect of 46: 408 sq.
- Prairie Flax**, use of 45: 467, 504, 507.
- Prairie Ground Cherry** 33: 113.
- Prairie Potawatomi**
 land cessions and reservations 18: 824.
 reference to 40: 57, 548.
- Prairie Ronde**, reservation at 18: 704.
- Prairie Sage**. *See* *Artemisia Frigida*.
- Prairie Smoke**
 use of 44: 293.
See also *Sieversia Ciliata*.
- Prairie Tribes**
 games of the 24:
 dice games 54.
 hoop and pole 442.
- Prairie Wild Onion**, use of 45: 481.
- Pratt, H. W.**, on shell money 2: 239.
- Pratt, Orson**, on the Messiah belief 14: 703.
- Pratt, Prof. W. H.**
 aid of 4: 368, 382, 431.
 answer to inquiry respecting tablet 12: 637.
 Sioux campaign song by 14: 882, 883.
- Pratz, Le Page du**, description of shell ornaments by 2: 232.
- Prayer**
 addressed directly to Wako^a'da 27: 599.
 addressed to spirits of the dead 33: 301.
 among the Indians 11: 130, 373, 435; 19: 423, 463, 470.
 before medical treatment 30: 63.
 for success in war 37: 156, 159.

Prayer—Continued

- form of 33: 621, 626.
- general, to spirits 37: 469.
- in decoration of horses 27: 353.
- in Pebble society ritual 27: 573.
- in the daily life of the Osage 36: 49.
- in treatment of snake poison 30: 54.
- Indian name for 30: 300.
- Lord's, Arapaho equivalent of 14: 966, 967.
- object of 37: 311; 45: 291; 46: 412.
- of a warrior 46: 483 *sq.*
- of halibut fisher 35: 1320–1327.
- of man who has been bewitched 35: 1327 *sq.*
- of salmon fisher 35: 1318 *sq.*
- of the Okanagon 45: 290 *sq.*
- of the Zuñi priesthood of the bow 2: 42.
- Omaha conception of 27: 128 *sq.*, 130, 188.
- on annual buffalo hunt 27: 278, 281.
- periods for offering 39: 318.
- pipe associated with 27: 201.
- texts of 33: 388, 396, 466, 625, 630.
- to avert illness 37: 320.
- to cedar tree 35: 619.
- to child 35: 668 *sq.*
- to crab 35: 620, 623.
- to deities 45: 183 *sq.*
- to dog salmon 35: 609.
- to fire 35: 1331 *sq.*
- to ghosts 46: 484.
- to halibut 35: 1321 *sq.*
- to halibut hook 35: 1322, 1324–1327.
- to house of root digger 35: 618.
- to lark 35: 1328.
- to silver salmon 35: 611.
- to Spirit of Fire 35: 705, 706.
- to stones used for heating water 35: 656 *sq.*
- to the Esthetle 8: 272.
- to tree to be felled 35: 617, 618.
- to trees 35: 1327 *sq.*
- to twin 35: 675.
- to weather 35: 636.
- uzhin'eti* as symbol of 27: 241 *sq.*
- Zuñi, preparatory to the hunt 2: 33.

Prayer—Continued

See also Lord's Prayer; Supplications; Wa-ko^{n'}-da.

Prayer Bowl, decorated with heads 41: 537.

Prayer Feathers

- making of 47: 291 *sq.*, 295.
- used more than prayer-sticks 47: 274.

See also Prayer Plumes.

Prayer Meal, composition of 47: 498, 796.

Prayer Offerings, custom of making, in Hopi festivals 21: 77.

Prayer Plumes

- collection of, by Ko'yemshi 23: 227.
- deposition of 23: 117.
- making and depositing, in spring 23: 454, 455.
- making and purpose of 23: 110 *sq.*
- offering at Tusayan 15: 301.
- or *baho*, used in kiva consecratory ceremonials 8: 119, 120, 129, 130.
- planting on ant-hills of 23: 585.
- preparation of, by personators of gods 23: 232.
- restrictions after planting of 23: 120, 121.
- time of making and depositing 23: 423.

See also Prayer Feathers.

Prayer Sticks

- absence of, from Four-mile ruin 22, i: 163.
- as compensation 47: 275.
- as offerings 47: 275, 294, 299, 318, 500 *sq.*, 538, 623, 626.
- at Tusayan altar 16: 279.
- attempted classification of 47: 128.
- bent, symbolism of 47: 667.
- buried in the fields 47: 274.
- ceremonial cutting of 47: 46.
- ceremonially deposited 16: 281.
- ceremony of depositing 47: 702 *sq.*
- consecration of 16: 283.
- cross shape, of Keresan origin 17: 703.
- delivery of, to Snake chief 16: 277.
- description of 47: 126 *sq.*, 274 *sq.*, 499 *sq.*
- description of, in Tusayan ceremony 16: 280.
- faces on 47: 126.

Prayer Sticks—Continued

- from Awatobi 17: 613, 618, 630 *sq.*
- from Honanki 17: 573.
- from Sikyatki 17: 649, 736-739.
- how prepared for Navaho ceremonial 8: 242 *sq.*, 264.
- importance of 47: 69.
- in Hopi ceremony 17: 628.
- in Pawik katchina 15: 300.
- in Powamû ceremony 15: 275.
- lightning symbols on 47: 126.
- made by Flute chief in 1900 21: 29.
- made by men only 47: 501.
- made by war chiefs 47: 46, 48.
- making of, in Tusayan ceremony 16: 280, 281.
- making of, in Winter Lakone Paholawû 21: 39.
- manner of using 47: 127.
- mention of 10: 508 *sq.*
- monthly offering of 47: 626.
- noted in 1540 46: 24.
- of medicine societies 47: 529, 530.
- of Oraibi and Cipaulovi 16: 296.
- of Paiyatamu, significance of 47: 530.
- of the Hopi 15: 289, 296.
- of the Zuñi 30: 86.
- offered to Catholic God 47: 128.
- prescribed length of 16: 280, 296; 17: 668.
- presentation of, to racer 16: 284.
- remnants of, from Pueblo ruins in Arizona, description of 22, i: 100.
- significance of 17: 688, 738.
- use of, at a death 47: 137, 138.
- use of, by Kānakûk 14: 697.
- use of, general account of 16: 297.
- use of, in Cipaulovi Snake dance 16: 285.
- use of, in Hopi ceremonies 21: 30, 31, 53, 55, 57, 93.
- use of, in Snake dance 16: 296 *sq.*
- use of, in Tusayan ceremony 16: 282.
- used at dance for rain 47: 82, 84.
- used at naming ceremony 47: 133, 134.
- used at summer solstice 47: 85.
- used at winter solstice 47: 85.
- used in fire ceremonies 47: 95.
- used in installation ceremonies 47: 44, 46.

Prayer Sticks—Continued

- used in sickness 47: 108.
- wood used for 47: 275.
- See also* **Paho.**

Prayer Strings of the Hopi 17: 662.**Prayer Wand 33: 87.****Prayers**

- collected by the wealthy 47: 617.
- for collecting medicine 47: 830-834.
- for stalking deer 47: 835.
- formal character of 47: 617 *sq.*
- impersonal nature of 47: 618.
- instruction in 47: 616 *sq.*
- keeper of 47: 616.
- of a priest 47: 643-646, 646-649.
- of the fire-keeper 47: 637-642.
- of the pekwin 47: 659-663.
- of the scalp dance 47: 674-689.
- ownership of 47: 493 *sq.*
- payment for instruction in 47: 616 *sq.*
- quoted 47: 483-486.
- reticence regarding 47: 615.
- study of 47: 702.
- to the sun 47: 635-642.
- Zuñi, function of 47: 615 *sqq.*
- Zuñi, nature of 47: 493, 508, 615.
- See also* **Prayer**; and references given there.

Praying

- custom of, in Hopi festivals 21: 53, 54.
- custom of, in Pamürti festival 21: 28.

Praying Beads of the Buddhists 10: 226.**Praying Dance**

- of the Coeur d'Alène 45: 185.
- of the Flathead 45: 386 *sq.*

Precipitation in Sonoran province 17: 24 *sq.***Pre-Colombian Times, problem relating to 12: 722.****Predestination, belief in 42: 512.****Prefixes occurring in basketry terms 41: 398 *sq.*****Pregnancy**

- among the Omaha 3: 263.
- beliefs concerning 19: 422, 469; 47: 213.
- customs concerning 47: 536, 718.
- customs connected with, Fox 40: 315 *sqq.*, 342 *sq.*

Pregnancy—Continued

customs connected with, Tsimshian
31: 530.

desire for 30: 187, 286, 288.

nausea of 26: 265.

origin of 30: 323, 326.

restrictions during 30: 300, 304,
319 *sq.*, 323 *sq.*; 45: 278.

taboos regarding 47: 132 *sq.*

See also **Accouchement**; **Children**;
Couvade; **Natal Customs**.

Pregnant Women, liking of Bush
Spirits for 30: 177, 181, 187.

Prehistoric Development, value of
pottery in study of 20: 18, 19,
20.

Prehistoric Foods

sacrificed by Romans 9: 545.

used in covenant 9: 540 *sq.*

Prehistoric Migration

of tribes, study of 22, i: xviii *sq.*

to America 3: 146-151.

Prehistoric Pima Ruins, account of
26: 23-26.

Prehistoric Problems, discussion of,
from linguistic standpoint 12:
722.

Prehistoric Textile Fabrics of the
United States 3: 393-425.

Prehistoric Works

catalogue of 13: xxxvi.

of Seriland 17: 12.

Premeau, Jean, interpretation of
time chart by 4: 94.

Premonitions, belief in 30: 272, 273.

Prenanthes Alba, use of 44: 291,
360.

Prenatal Influence, effect of 30:
326.

Prentiss, Dr. D. W.

cited on peyote 30: 41.

physiologic tests of peyote by 17:
L.

Preparation

of dead, similarity of, between
Comanches and African tribes
1: 100.

of food, among Omahas 3: 303-
310.

Prepositions

in Indian languages 1: 11.

on sign language 1: 367.

Prepuce. *See* **Perforation**.

**Presbyterian Board of Foreign Mis-
sions**, grants of land to 18: 792.

Presbyterian Church, work of 27:
626-629.

Presbyterians

attitude of, toward Shaker religion
14: 760.

mission work of, among Cherokee
19: 83, 84.

Prescott, J. O., songs recorded by
43: 5.

Prescott, P., on Dakota chieftainship
15: 222.

Prescott, Philander, *probably the same
as Prescott, P., above*

on dice game, Santee Dakota 24:
180, 181.

on hidden ball, Dakota 24: 365.

on racket, Santee Dakota 24: 612.

Prescott, William H.

cited as to Casa Grande 28: 53.

on effect of civilization in Peru 14:
659.

on golden age of Anahuac 14: 658.

on route of Cortés 25: 245.

Prescott, Ariz.

mines discovered near 13: 185.

references to 28: 202, 204, 215.

ruins near 28: 218.

visit of Espejo to vicinity of 13:
185.

Prescott, Ontario, Iroquoian pottery
found near 20: 170.

Prescott National Forest, Ariz. 28:
211.

Present. *See* **Modern**.

Presents

distribution of, at Mitawit ceremony
14: 104.

giving of, among Eskimo 18: 286
sq.

the giving and taking of 38: § 818.
See also **Gifts**.

Preservation

and cooking of animal food 38:
§ 163.

of baskets 41: 196.

of Casa Grande ruin, Arizona 28:
17, 18.

of dead, Macrobian Ethiopians 1:
136, 137.

of dead, Werowance of Virginia 1:
131, 132.

of fossil fabrics 13: 28.

- Preservation**—Continued
of Middle Mississippi Valley pottery 20: 82.
of the human head 3: 94-97.
- Presidio Road**
mention of 42: 830.
route of 42: 832.
- Presque Isle**, reservation including 18: 674.
- Press, National**, of the Cherokee 19: 111 sq.
- Presser**. *See* **Temporary Separator**.
- Pressley, Doctor** —, acknowledgment to 25: 282.
- Preston, Lieut. Guy**, at battle of Wounded Knee 14: 873.
- Preston, Col. William**, report to, cited 42: 766.
- Preterite**
in *ban* 28: 269.
in *p* and *panne* 28: 279.
in *pan* 28: 287.
- Pretty**, signs for 1: 300.
- Pretty Back**, on the Sioux outbreak 14: 839.
- Pretty Spring**, ceremonial visit to 47: 46.
- Pretty Woman Town**, purchase of 19: 161.
- Prey Gods, Zuñi**
ceremony attending worship of 2: 32.
of the hunt 2:
number of the 25.
origin of the 20.
relation of, to others 20.
resemblance of, to prey gods of the priesthood of the bow 41.
worship of the 33.
of the priesthood of the bow 2:
mention of 40.
number of the 40.
resemblance of, to prey goods of the hunt 41.
weapons of the 40.
worship of the 41, 43.
of the six regions 2:
number of the 16.
origin of the 16.
power of the, as mediators 18.
varieties of the 24.
worship of the 19.
- Priapus** of the Maya 16: 225.
- Priber, Christian**, work of, among Cheorkee 19: 15, 36 sq., 113.
- Pribilof Islands** 46: 122, 238, 361.
- Price, C. M.**, Memonini treaty commissioner 14: 21.
- Price, Hiram**
aid of, acknowledgment of 5: 130.
on East Cherokee affairs 19: 175.
on East Cherokee censuses 19: 167, 176.
on East Cherokee suit for participation in annuities 19: 151, 177.
- Price, John Turner**, information furnished by 42: 834.
- Price, W. H.**, finding of gun barrel in mound by 12: 715.
- Price, Maj. W. R.**
campaign against Kiowa by 17: 210.
Indian operations under 17: 212.
- Prichard, James C.**
linguistic literature of 7: 14.
mention of 46: 330, 333, 340, 371.
- Prickly Ash**
mention of 33: 98.
use of 44: 294.
See also **Zanthoxylum Americanum**.
- Prickly Currant**, use of 45: 469, 488.
- Prickly Pear**
Kiowa use of 17: 301.
mention of 33: 104.
Pima food plant 26: 75 sq.
sirup an article of trade 26: 93.
use of 45: 480, 498.
See also **Tuna**.
- Priest, Josiah**, on box burial 1: 155.
- Priest Fraternities**
Hopi, association of, with masked katecina observances 21: 24.
names of 21: 23.
- Priest Rapids**
Smohalla performance at 14: 725.
See also **P'nä**.
- Priesthood of the Bow, Zuñi**
account of 30: 48.
and of the Moki compared 15: 304.
medical practice of 30: 49, 52.
mention of 15: 285.
prey brothers 2: 19.
prey gods of 2: 40.

Priesthoods

- Antillean* 25:
 divination of 63.
 general account of 69 sq.
 treatment given by 61-64, 147.
 existence of, in the Southeast 42:
 710.

Hawaiian 33: 311, 318.

Sia Indian 11: 16.

Zuñi 47:

- discussion of 513 sqq.
 fetishes of 513 sq.
 membership in 513, 542 sq.
 retreats of 643.

See also **Medicine Men; Priesthood; Priests; Shaman.**

Priestly, Thomas, on Chinook population 7: 66.

Priests

- character of 46: 492.
 daily life of 47: 505 sq.
 dress of 42: 710.
 fetishes of 47: 490.
 function of 44: 237.
 Hopi, succession of 17: 637.
 initiation of 42: 627 sq.; 44: 263.
 insignia of 42: 618 sq., 621.
 moral obligations of 47: 515.
 name for 46: 486.
 of Pueblo Indians 14: 518.
 of the bow, in *Zuñi* mythology 13: 432.
 of the bow, traditions of 13: 330.
 of Tusayan, function of 15: 293.
 of *Zuñi* and Moki, comparison of 15: 311.
 of *Zuñi*, or A'-shi-wa-ni 2: 12.
 of *Zuñi*, origin of 13: 384, 417.
 office of 46: 492 sq.
 power of, in council 46: 450 sq.
 training of 42: 617 sq., 619 sq.

See also **Divining Men; Doctors; Fraternities; Medicine Men; Priesthoods; Shaman.**

Prieto, Ex-Governor —.

- acknowledgment to 25: 274.
 on mound near Champayan lagoon 25: 277.
 ruins described and figured by 25: 276.

Prieto Plateau, fields on 26: 89.

Primeau, Louis

- guide in attack of Sitting Bull 14: 856.

Primeau, Louis—Continued

- interpreter of Sioux delegation 14: 891.

Primitive Language

- oral language 1: 274.
 theories upon 1: 282.

Primitive Numbers, memoir on 19: XLIII sq., 821-851.

Primitive People, importance of immediate study of 19: 1056.

Primitive Trephining in Peru, memoir on 16: 3-72.

Primogeniture

- among the Assiniboin 46: 478 sq.
 among the Kwakiutl 35: 823.

Primrose, Evening, ceremonial use of 30: 87.

Prince, Prof. J. Dyneley

- acknowledgment to 28: 225.
 forms cited by 28: 239.
 Mohegan material in custody of 43: 205.
 on certain Algonquian relationships 28: 289.
 papers prepared in collaboration with 43: 205 sq.
 Penobscot consonantic clusters 28: 280, 282.
 reference to 28: 275.

Prince, L. Bradford

- on Cochiti 29: 439.
 on Quivira 29: 566.
 on Sandia 29: 527.
 reference to 29: 232.
 stone idols discovered by 29: 417, 419.

Prince, beaten by father 35: 1122.

Prince Edward Island, reference to 28: 290.

Prince of Wales Archipelago, tattooing in 4: 67-73.

Prince of Wales Cape. *See* **Cape Prince of Wales.**

Prince of Wales Island

- copper "shield" from 46: 75.
 people of 26: 396, 408-411.

Prince Rupert Bay, Indians of 46: 33.

Prince Snail, tale of 31: 161, 747, 750.

Prince William Sound

- crania of 46: 233, 286.
 Innuits of 3: 124-128.
 mention of 46: 181, 213.
 old sites of 46: 184.
 skeletal remains in 46: 36.

- Princess** 35: 753, 1155, 1173.
- Princeton, Ky.**, trails joining at 42: 806.
- Principal Dogs**, a Kiowa warrior order 14: 989.
- Principals**, duties of 47: 52.
- Printing** among the Cherokee 19: 111 *sq.*, 139 *sq.*
- Prionus.** *See* **Sawyer Beetle.**
- Prisoners**
among Guiana Indians 38: § 767-776.
ideographically represented 10: 598 *sqq.*
Indians' treatment of 10: 552.
Kiowa treatment of 17: 278.
Osage treatment of 17: 257, 259.
sign for 1: 345.
treatment of 42: 705.
See also **Captives.**
- Pritts, J.**, cited on Delaware prophet 14: 668.
- Privileges**
among the Kwakiutl 35: 785.
family 35: 1353, 1358.
hereditary 35: 824; 38: § 754.
put away 35: 1350.
- Prizes**, use of, in Hopi foot races 21: 114.
- Probes** used by the Eskimo in seal hunting 18: 130 *sq.*
- Problematical Implements**, Casa Grande 28: 125, 129.
- Problematical Objects**
from St. Vincent 34: 110 *sq.*, 115-118.
mention of 34: 149-152, 154, 220, 227, 229.
of bone 34: 234.
- Problems** of archeology, Bering Sea and Asia 46: 174, 175.
- Processes**
of basket making, technical terms for 41: 392 *sq.*
of implement manufacture 15: 58.
of language 1: 3-8.
of Navaho silversmiths 2:
blanching 175.
chasing 176.
mention of 171, 176.
polishing 175.
soldering 176.
- Procession** around the Village, ceremony of 39: 175.
- Proctor**, —, arrest of 19: 119.
- Proctor, General** —, stand against Americans at Thames River by 19: 215.
- Proctor, Caley**
assistance rendered by 42: 501, 645.
information furnished by 42: 655, 656, 657, 658, 661, 662.
myth obtained from 42: 71.
war name of 42: 104.
- Proctor, Lewis**, Indian name of 42: 150.
- Procyon Cancrivorus.** *See* **Raccoon.**
- Procyon Lotor**, food among Pima 26: 82.
- Production** of wild rice 19: 1056-1079.
- Products**
of the quarry shops 15: 53.
varied, Tsimshian 31: 57.
- Profanity**
lack of, among Indians 46: 482.
not an Omaha vice 3: 370.
- Profession** of peace and friendship 10: 359-362.
- Prognathism**
of the Eskimo 46: 282.
of the Yukon Indians 46: 152.
- Progress, Human**, value of pottery in study of 20: 18, 19, 20.
- Projectile Points**
discussion of 15: 84.
drills used as 15: 83.
produced by flaking 15: 26.
- Pronominal Elements**
importance of, in linguistic classification 17: 300* *sq.*
objective, Arapaho 28: 237.
- Pronominal Forms** of verb, reference to 28: 226.
- Pronominal Particles** 1: 13.
- Pronouns**
Eastern-Central-Algonquian 28: 237, 238.
in primitive languages, importance of 18: XLIII *sq.*
Serian and Yuman, comparative list of 17: 302* *sq.*
study of 19: xxv.
- Pronunciation** of Algonquian languages 28: 226 *sqq.*

Proper Names in sign language 1:
364, 476.

Properties, discussion of 19: LV *sqq.*,
LVIII.

Property

accumulation of 38: § 816.

acquisition of 19: XXXIII.

among Omaha, discussion of 27:
362 *sq.*

among Omaha, in songs 27: 373.

among Zuñi 23: 290, 291.

buried with the dead 41: 288; 42:
337, 391, 392, 393, 395, 397, 513;
44: 229, 231.

classes of 19: XXXI *sq.*

collection of, for ceremony 45: 684.

community of 42: 334 *sq.*

consumption of 20: LXXI.

creation of 20: LXVIII *sq.*

customs concerning 42: 334-338;
45: 277.

deposited at grave 45: 174.

descent of 42: 337.

destroyed before busk 42: 580 *sq.*

destroyed for purification 47: 506.

disposal of 15: CIX, CXIV.

disposal of, at death 45: 174.

distribution of 20: LXIX *sq.*; 47:
239.

distribution of, after ceremony 45:
186.

division of 10: 441; 15: CXIV.

in land, communal Indian system
of 23: XXXIII.

inheritance of 44: 216.

loss of, as a result of crime 46: 480.

marks 4: 182; 10: 441 *sq.*; 38:
§ 737.

marks on arrow 14: 278.

Menomini inheritance of 14: 43.

nature of 20: LXVII *sq.*

of children 38: § 915.

of deceased persons 38: § 834.

of the deceased, disposal of 46:
571.

of the Omaha 3:

debtors 367.

gentile 366.

household 366.

law of 366.

personal 366.

theft of 367.

tribal 366.

origin of clan 31: 413.

Property—Continued

ownership of 47: 34, 38, 477.

placed with the dead 46: 571.

regulation, Siouan 15: 177.

Seri division of 17: 269* *sq.*, 272*
sq.

wagered on games 42: 458, 464,
466.

willed to relatives 42: 391.

See also **Property Rights**.

Property of the Bureau

additions to 20: XXIV *sq.*

description of 27: 14.

reports on 22, i: XL; 23: XLI *sq.*;
24: XXXIV; 25: XXV; 26: XXXI;
27: 14; 29: 25; 31: 24; 32:
32; 35: 36; 36: 34; 37: 30;
38: p. 21; 39: 27; 40: 20; 41:
20, 44, 73, 116; 43: 19; 44: 18;
45: 9; 46: 16; 48: 21.

Property Rights

among the Assiniboin 15: 225.

among the Chickasaw 44: 216.

among the Coeur d'Alène 45: 161
sqq.

among the Eskimo 9: 428 *sqq.*

among the Kwakiutl 35: 1345-
1348.

discussion of 46: 474 *sqq.*

in barbarism 15: CXVI.

in marriage 42: 377.

in wild rice 19: 1072 *sq.*

Property Woman, Tlingit and Haida

26: 412, 460.

Prophecy

aboriginal 11: 404, 424, 444.

medicine-men and 30: 342.

regarding the Indians 42: 77 *sq.*

Prophet Woman 45: 292.

Prophets

a development of contact with
whites 37: 69.

distinct from priests 42: 711.

initiation of 42: 627 *sq.*

notes concerning 37: 74.

office of 44: 215.

revelation of 19: 87, 89, 215, 235.

supernatural power of 42: 496, 616.

the *kilas* or "knowers" 42: 615.

various, comparison of 14: 930.

See also **Kila**; **Shawnee Prophet**.

Prophet's Town,

battle of 14: 688 *sq.*

See also **Tippecanoe**.

- Propitiation** of dead, modes of 30: 155 sq.
- Proportions of Baskets** 41: 203 sq., 212-223.
- Props** used for fastening wooden doors 8: 183.
- Prosopis Juliflora.** *See* Mesquite.
- Prosopis Pubescens.** *See* Screw Bean.
- Prosopis Velutina.** *See* Mesquite.
- Prospects** of finding ancient remains, Yukon 46: 140.
- Prostitution**
among the Eskimo 9: 419 sq.
among the Omaha 3: 365.
among the Omaha, absence of 27: 325.
among the Southern Indians 42: 384.
among the Tahus 14: 513.
an established custom 42: 697.
- Protection of pottery** 38: § 95.
- Protective Industries** of the Omaha 3: 312-333.
- Protium Aracouchili** 38: § 23.
- Protium Guianense** 38: § 23, 512.
- Protium Heptophyllum.** *See* Hai-owa Gum.
- Protium sp.**, timber of, for corials and canoes 38: § 794.
- Protococcus** 33: 61.
- "Protolithic" Industry**, Bonasila 46: 60, 82, 144.
- Protolithic Stage**
definition of 18: xxxviii.
features of 19: xxi sq.
of technique, definition of 17: 251*, 252*.
- Protophyceae** 33: 61.
- Proudfit, S. V.**
acknowledgment to 15: 17.
on District of Columbia archeology 15: 31.
pottery from the Potomac Valley loaned by 10: xxii.
turtlebacks discussed by 15: 30.
- Provancher, L'Abbé L.**, on popular synonym for wild rice 19: 1023.
- Proverbs**
examples of 27: 604.
of the Omaha 3: 334.
- Providence, New**, number of specimens from 34: 50.
- Providence, R. I.**, Indian policy of 18: 619-622.
- Provision Sack** of the Omaha 13: 278.
- Provision Stealer's Dance**, description of 46: 564.
- Provo, Utah**, pottery from 4: 321.
- Provo River, Utah**, petroglyphs on 10: 117.
- Prudden, T. Mitchel**, cited 33: 164, 182.
- Prunella Vulgaris**
mention of 45: 471, 494.
use of 44: 291, 346.
- Pruner-Bey**, — 46: 331.
- Prunes**
wild, found by Coronado 14: 507, 582, 591.
See also Plum; Plums.
- Prunières**, —, cited on primitive trephining 16: 17.
- Prunus**
medicinal use of 42: 659.
use of 44: 291, 360.
- Prunus Americana**
mention of 33: 87.
transportation of 33: 66.
use of 44: 291, 307, 346, 352, 366, 369.
- Prunus Besseyi** 33: 88.
- Prunus Demissa** 45: 477, 490, 500.
- Prunus Emarginata** 45: 488, 497, 498, 499, 509.
- Prunus Serotina**
beverage made from 44: 317.
medicinal constituents of 44: 304.
medicinal properties of 44: 302.
use of 44: 291, 307, 317, 346, 352, 354.
- Prunus Virginiana**
beverage made from 44: 317.
medicinal constituents of 44: 304.
medicinal properties of 44: 302.
use of 44: 291, 307, 340, 342, 344, 350, 354.
See also Chokecherry.
- Prying Stick** 35: 182.
- Pryor, William**, Ni'-ki degree conferred on 36: 220.
- Pseudalopex.** *See* Canis Azarae.
- Pseudo-Clusters**, Cheyenne 28: 233.
- Pseudotsuga Mucronata** 45: 474, 483, 494, 505.

- Pshwa'năpûm**, a K'tâtās synonym 14: 736.
- Psidium** 38: § 247.
- Psin**, meaning of 19: 1025.
- Psophia sp.** *See* Warracabba.
- Psoralea**
use of 44: 291.
See also **Psoralea Argophylla**.
- Psoralea Argophylla**
medicinal constituents of 44: 304.
medicinal properties of 44: 302.
use of 44: 291, 366.
- Psoralea Esculenta** 33: 56, 92.
- Psoralea Tenuiflora** 33: 93.
- Psychical Characteristics** of the Point Barrow Eskimo 9: 40 *sqq.*
- Psychology**
application of 23: xx.
limitations to the use of, in study of anthropology 1: 83, 86.
methods of 23: xx.
work in 14: XLV; 15: LXXXVI; 17: LV; 23: xx *sqq.*
- Psychotheism**
absence of 11: XLV, 365, 431, 501, 521.
definition of 1: 30, 32; 15: 179, 181.
- Ptarmigan**
Eskimo method of catching 18: 131.
hunting of 11: 204.
- Pteridium Aguilinum** 45: 482.
- Pterocarpus Guinensis.** *See* **Arir-sauru**.
- Ptiloria Tenuiflora** 45: 468.
- Ptolemy**, maps in geography of, cited 14: 403.
- Ptychocheilus Lucius Girard**, Gila fish 26: 83.
- Puala**, Espejo's name for Tiguex pueblo 14: 496.
- Puberty**
ceremonial connected with 11: 208, 443, 483.
ceremonies for girls, Tsimshian 31: 531.
ceremony of the Omaha, account of 27: 128-133.
See also **Menstruation**.
- Puberty Customs**
and beliefs, Fox, for boys 40: 340.
and beliefs, Fox, for girls 40: 303-309, 340.
- Puberty Customs—Continued**
of Isleta 47: 478.
of the Creeks 42: 358 *sqq.*, 698.
of the Coeur d'Alêne 45: 168 *sq.*
of the Eskimo 18: 291.
of the Flathead group 45: 382.
of the Okanagon 45: 282-287.
of the Pima 26: 182 *sq.*
of the Thompson Indians 45: 406, 418, 430 *sq.*, 503, 508.
of the Tlingit 26: 428.
of the Winnebago 37: 135-138.
- Puberty Ordeals**
confusion of, with marriage ordeals 30: 208.
mention of 30: 301, 308-313; 38: § 884, 885.
tattooing as 38: § 510.
teeth filed or extracted as 38: § 502.
See also **Menstruation**.
- Pubes Hair Clan**, native name for 42: 116.
- Public Crier**, duties of 37: 210; 46: 442.
- Public Grounds**, elements of 42: 177.
- Public Lands**, permits for exploration on 27: 11.
- Public Square.** *See* **Square Ground**.
- Publication**, as an agency of instruction 20: cxcvi *sq.*
- Publications of the Bureau**
catalogue of 15: xxxiv.
correspondence relating to 34: 27.
description of 28: 17, 19 *sq.*
distribution of 34: 27; 40: 18; 41: 18, 42, 70, 93, 114; 42: 17; 43: 16; 45: 17; 47: 12; 48: 18 *sq.*
editorial work on 20: xxiii; 47: 11.
in press 41: 17, 41 *sq.*, 70, 93, 114; 45: 16 *sq.*; 47: 11; 48: 18.
issued 10: x; 41: 17, 41, 70, 92 *sq.*, 113; 45: 16; 47: 11; 48: 17 *sq.*
list of 16: ci-cxix; 17: Lxxv-xciii; 18: Lix-Lxxviii; 20: Cxix-ccxxiv.
policy regarding 41: 2.
progress of 15: xxvii, xxxii, xxxvi, xl, xlvi, xlix, liv, lxii, lxv, lxviii; 16: xxi, xxv, xxix, xxxii, xxxvii, xl, xlvi, liv, lx, lxxvii.

Publications of the Bureau—Con.

report on 2: xvi; 3: xiv; 5: xviii, xix; 8: xviii; 9: xxiv sq.; 11: xxiv; 13: xlii; 14: xlviii; 23: xlii sq.; 24: xxx-xxxiii; 26: xxix; 27: 12, 13; 29: 21 sq.; 30: 22; 32: 30; 36: 29; 37: 27 sq.; 39: 23 sqq.; 40: 17 sq.; 42: 16; 44: 15 sq.

status of 43: 15 sq.

summary of progress of 15: LXXXVIII.

work on 17: lvi sq.; 18: xlviii sq.; 19: xxix sq.; 22, i: xxxviii.

Puccoon

root, used to color the hair 42: 684.

use of 44: 290, 369, 377.

use of, in ceremonials 30: 93 sq.

use of, in medicine 30: 56.

use of, in war 30: 94.

Puchah, definition of 16: 247.

Pucherum. *See* **Kai-appa**.

Puddling for Fish 38: § 207.

Pueblo

art, mention of 4: 266.

buildings, mode of addition to 8: 70, 97, 98, 102, 148 sq.

coiled ware 4: 273 sqq.

construction in Tusayan and Cibola, details of 8: 37-223.

culture, geographic extension of 15: 252.

definition of the term 22, i: 193.

method of building 14: 520.

of Zuñi, location of 5: 539.

openings, carelessness in placing 8: 196.

pictographs connected with signs 11: 373.

pit house 46: 82.

primitive habitations 4: 475.

Seri, brief history of 17: 93 sq.

Seri, establishment of 17: 72 sq.

Seri, Mexicanization of 17: 84.

stone ax 46: 147.

term defined 28: 189.

totem marks 4: 167.

tribal sign for 1: 473.

use of term, by Niza 14: 358.

Pueblo Architecture

Hopi 19: 579-582.

influence of agriculture on 19: 640, 642.

influence of war raids on 19: 641.

Pueblo Architecture—Continued

notice of V. Mindeleff's paper on 8: xxx, xxxiv.

study of, by V. Mindeleff 8: 3-228.

types of, evolution of 22, i: 193 sqq.

work on 10: xxii.

Pueblo Bonito

additions to 8: 70.

finish of roof of 8: 150.

skill shown in masonry of 8: 195.

stairway of, description of 8: 160.

symmetry of arrangement of outer openings of 8: 195.

Pueblo Creek

origin of name 28: 207, 210.

reference to 28: 209.

Pueblo de la Laguna, synonym for Syujtun 44: 43.

Pueblo de San Pedro de la Conquista. *See* **Pueblo, Seri**.

Pueblo Grande

excavation of 19: xiii sq.

See also **Kintiel**.

Pueblo Indian

absence of Ghost dance among the 14: 805, 926.

adobe construction used by 28: 80.

animal fetishes among the 28: 122.

bibliography of the 36: 9; 37: 4; 39: 12.

building materials used by 22, i: 29, 176, 177.

ceremonial use of colors by 10: 624.

character of pottery of 20: 20.

collection from the 18: xlvii.

colors for war and peace used by the 10: 681.

cosmology of the 10: 467 sq.

decorative designs in pottery of 20: 86.

descended from cliff dwellers 17: 531, 532.

devotional tendency of 19: xxviii.

divisions of the 28: 189.

frequency of shoe shape in pottery of 20: 182.

games of the 24:

tops 733.

tor stick 668.

influence of art of, on Lower Mississippi Valley pottery 20: 102.

Kiowa performance of dance of 17: 377.

Pueblo Indian—Continued

- Kiowa trade with 17: 165.
 land cessions and reservations 18:
 916, 920 *sqq.*
 map made by the 10: 341.
 memoir on pottery of, in prepara-
 tion 20: XIII.
 methods of manufacture used by
 20: 50, 51, 56, 68.
 migrations of the 18: XXXII.
 motion pictures of ceremonies of
 22, i: XIV.
 myths of, work on 22, i: XXXVI.
 names for cloud 29: 54.
 names for star 29: 48.
 names for sun and moon 29: 46.
 New-fire ceremony among the 19:
 503.
 origin of the 22, i: XIX.
 paper on textile fabrics of 31: 15.
 pigments used by the 28: 130.
 possible derivation of eastern color
 decoration from 20: 52, 67.
 pottery of the 28: 141.
 practice of potter's art by the 20:
 20.
 preparation of bibliography of 33:
 9; 34: 7 *sq.*
 quartz crystals used by the 28:
 130.
 racing among the 19: 494.
 range of form of pottery of 20: 85.
 rattles used by the 28: 145.
 references to 28: 33; 30: 35.
 relationship of the 28: 220.
 researches among the 6: XXVIII,
 XXIX; 30: 16.
 salt supply of the 29: 535 *sqq.*
 Tewa names for the 29: 575, 576.
 use of basket by, in modeling and
 molding pottery 20: 69.
 vase suggesting owl vases of 20: 95.
 visit to Kiowa by 17: 336, 347.
 women, style of hairdressing of 21:
 89.
 work among 17: LIV.
 work in classification of 18: XLVI.
See also Hopi; Pueblo; Taos; and
tribal names.
- Pueblo Intermontane** (Archeological)
 Section 12: 523.
- Pueblo Languages.** *See Keresan;*
Tanoan; Zuni.

Pueblo Models

- preparation of 8: XXVII; 10: XXII
sq.
 work on 5: XXXVI.

Pueblo Pottery

- as illustrative of Zuni cultural growth
 4: 467-521.
 coloring of 10: 220.
 distinctive character of, in different
 regions 22, i: 122 *sq.*, 142 *sq.*
See also Pottery.

Pueblo Region, ancient extent of 19:
639.**Pueblo Remains, area occupied by**
8: 13.**Pueblo Revolt of 1680** 8: 89; 13:
329; 14: 659.**Pueblo Ruins**

- cause of distribution of 19: 639 *sq.*
 classification of 16: 89.
 in southern Arizona, explorations in,
 paper on 22, i: 1-195.
 in southern Arizona, explorations in,
 paper on, characterization of 22, i:
 XLIII.
 of Verde Valley, classification of 17:
 536.
 of Verde Valley, similar to cliff
 dwellings 17: 537.
See also Cliff Dwellings.

Pueblo Sanado, home of the Kokop
clan 19: 604.**Pueblo Settlements**

- description of, by Colorado River
 Indians 14: 404.
 description of, by Sonora Indians
 14: 356.
 identification of 15: XXII.

Pueblo Tribes

- not mound builders 12: 18.
 of Rio Grande, running races of the
 24: 806.
See also Pueblo Indian.

Pueblo Viejo, excavation of ruin of
19: XIV *sq.***Pueblo Viejo Valley**

- ancient people of, cremation of dead
 by 22, i: 175 *sq.*
 Buena Vista ruins in, description of
 22, i: 171 *sqq.*
 changes in, since 1847 22, i: 174 *sq.*
 Epley's ruin in, description of 22, i:
 171.

Pueblo Viejo Valley—Continued

- former population of 22, i: 175.
 - history of 22, i: 168 sq.
 - irrigation (prehistoric) in, practice of 22, i: 178 sq.
 - location of 22, i: 168.
 - pueblo ruins in 22, i:
 - architecture of 176 sq.
 - arrow-polishers from 182, 183.
 - building materials of 177.
 - distribution of 170.
 - effigy vase from 191 sq.
 - general features of 168 sqq.
 - jars from, moccasin or slipper shaped 181.
 - ladle from, human head on 181.
 - metate from, cut showing 184.
 - mortars from, distribution of 184 sq.
 - pigments from, finding of 184.
 - pottery from, black and white ware, decoration of 180 sqq.
 - pottery from, form, color and finish of 179 sq.
 - pottery from, rough ware, undecorated, character of 179.
 - pottery from, similarity between that from Four-mile ruin and 141.
 - reference to 173.
 - shell ornaments from, character of 187.
 - stone objects from, description of 183-186.
 - vases from, description of 181 sq., 191 sq.
 - vases from, views of 191.
 - visit to 121.
 - reference to 28: 118, 141.
 - terraced gardens (prehistoric) in 22, i: 177 sq.
- Pueblo Village Site**, investigation of 45: 8 sqq.

Pueblos

- ancient, pottery of 4: 257-360.
- architecture of 28: 155, 156 sq., 187.
- association of, with cavate lodges 29: 188 sq.
- collection from 3: 511-592.
- communal, mention of 4: 480, 481.
- comparison of ceremonial organization of 47: 345-348.
- correlated agricultural and social development of 21: xxii.

Pueblos—Continued

- disintegration of culture of 47: 56.
 - division of labor in 26: 153.
 - earlier investigations of 23: XLIV.
 - former populousness of 23: XII.
 - house architecture of 23: xxix.
 - inhabited, mention of 8: 61-79, 94-99.
 - Kiâhâ net absent from 26: 143.
 - not found west of Upper Verde 28: 220.
 - of refuge, mention of 22, i: 165.
 - of the Southwest, dual character of many of the 22, i: 165.
 - of Tusayan and Cibola, comparison of 8: 80.
 - raided by the Navaho 17: 481.
 - relation of, to compounds 28: 150-160.
 - relics collected from 23: xvii, xli.
 - revolt of 47: 28.
 - See also Pueblo Indian.*
- Pueblos of Rio Grande**, reference to 28: 219.
- Puerco River**, pueblos on 14: 491.
- Puerto Cabello, Venezuela**, sculptured rock near 10: 147 sq.
- Puerto Rico**, petroglyphs in 10: 136 sq.
- Puffballs**
- mention of 33: 62.
 - use of 44: 288, 356.
 - use of, as food 30: 69.
- Puffin**, Tlingit house group name 26: 401.
- Puget Sound, Wash.**, pictographs found on 10: 214.
- Pu'gthoⁿ Society**, account of 27: 481-485.
- Puguviliak** 46: 212.
- Puinavi Indians**, puberty among the 30: 311.
- Púíwi-Tóyābi**, treaty signed by, in 1867 17: 186.
- Pujuni Tribe** 7: 99.
- Pujanun Stock**
- mention of the 7: 99, 100.
 - tribes of the 24:
 - Kaoni 660.
 - Konkau 296.
 - Maidu 297.
 - Nishinam 154, 298, 489, 508, 661, 703, 710.
 - Ololopa 248, 299.

- Pulaski County, Mo.**, collection from 41: 20.
- Pulex Penetrans.** *See* Chigoe.
- Pulke**, the ite drink of the Orinoco Indians 38: § 269.
- Pullen, Clarence**
on Cuyamunque 29: 333.
on Enchanted Mesa 29: 545.
- Pulley, Stone**, in Guesde collection 34: 152.
- Puloulou**, taboo sign 33: 622.
- Pulsatilla Hirsutissima**
medicinal constituents of 44: 302.
medicinal properties of 44: 302.
use of 44: 292, 336, 340.
- Pulsatilla Patens** 33: 80.
- Pulse**
spirit residing in 30: 153.
Western Eskimo 46: 247, 248, 249, 250.
- Puma**
a life symbol 36: 107.
as a symbol 39: 214.
as an emblem 39: 327.
food among the Pima 26: 81.
in Pima mythology 26: 217.
skin, ceremonial use of 39: 251, 257.
symbol of fire 45: 644.
See also Mountain Lion; Toho.
- Puma Gens**
associated with Snake-Antelope societies at Walpi 19: 624.
birth names of 43: 31 *sqq.*
child-naming ritual of 43: 33-58.
mention of 39: 70, 206, 214.
Ni'-ki degree of 36: 153, 155.
relations of, with Black Bear gens 36: 219.
songs belonging to 39: 290, 316.
songs closing ritual of 39: 326.
symbolic haircut of 43: 92.
wi'-gi-e of 36: 157-211; 39: 154.
See also In'-gthon'-ga Gens.
- Puma Shield.** *See* Azul, Antonio.
- Pumaia** 33: 301, 657.
- Pumpkin**
as food among the Omaha 3: 306.
blossoms, use of 44: 318.
cultivation of 38: § 244.
in Cherokee lore 19: 346, 482.
mention of 33: 117, 136.
Pima production 26: 71, 91, 94.
probable place of origin of 33: 59.
- Pumpkin—Continued**
seed in Caddo mythology 14: 1093.
use of 44: 289, 307, 319.
- Pumpkin Clan**, size of 47: 35.
- Pumpkin Dance**
mention of 42: 524.
no details known of 42: 529.
- Puna** 33: 305, 306, 327, 340, 619, 627, 644, 654.
- Puname Indians**, reference to 29: 518.
- Punch of whale tooth** 13: 140.
- Punch Stamp**
use of, in Iroquoian pottery 20: 161.
use of, in Northwestern pottery 20: 188.
See also Indenting; Punctures; Stamps.
- Puñici**
home of Hano clan 19: 614.
home of Kokop clan 19: 604.
- Punctuation** in sign language 1: 367.
- Punctures**
decoration by, Iroquoian pottery 20: 163.
decoration by, Middle Atlantic Coast pottery 20: 163.
decoration by, Middle Mississippi Valley pottery 20: 88, 89.
decoration by, Northwestern pottery 20: 197.
See also Indenting; Stipple.
- Punia** 33: 662.
- Puniaiki** 33: 640.
- Punishment**
account of 27: 213-216.
after death 47: 138.
capital 42: 320.
crime and 42: 338-358, 696 *sq.*
fasting as a form of 40: 297, 338, 341, 351.
for adultery 40: 343; 42: 346-355.
for murder 42: 339-345.
for theft 42: 356, 357.
for violation of tribal law 39: 42; 46: 445.
graduation of, to fit offense 42: 350.
Guiana Indian 38: p. 557 *sq.*, 565 *sq.*
in future life 42: 513, 514.
inflicted by Katchinas 47: 846.
of children 42: 363.
of crime 46: 479-483.
of girls 40: 297, 338, 341.

Punishment—Continued

See also Crime and Punishment;
Retalliation; Scratching; Waz-
hin'agthe.

Punk-plugged-in, legend of raid by
19: 374.

Punkin, vegetable poison 38: § 735.

Puns, Omaha 3: 334.

Punta Rassa, work at 17: XLVII.

Punting 35: 213, 216.

Punuk Island

mapping of 46: 176.

mention of 46: 93, 101, 123, 210.

remains in 46: 172.

Puotin Bay Crania 46: 286.

Pupai-yapong, head-stick for ham-
mock weaving 38: § 465.

Pupombo. *See Kwa-muhu*.

Pupualenalena 33: 661.

Pupuhuluena 33: 319, 659.

Pupuluca, number names of 19: 863,
873, 931.

Purawatka Basket 38: § 415.

Purcell, —, on proportion of warriors
to population 14: 33.

Purchas, —

cited as to labrets 3: 83, 84, 85.

cited as to masks 3: 103, 105.

Purchas, Samuel

on Plymouth's Indian policy 18:
601.

quoted on Indian "mudheads" 9:
476.

Purchase

absence of, in Seri marriage 17: 285.
of land from Indians in Illinois 1:
254.

wife, by Guiana Indian 38: § 871.

Purdue, A. H., acknowledgment to
42: 745.

Purgatives

of the Guiana Indians 38: § 920.

of the Zuñi 30: 45, 58.

Purging Rite 47: 291, 295.

Purification

act of, in Hano child flogging cere-
mony 21: 69.

after handling corpse 45: 174.

by supernatural beings 35: 1200
sq.

ceremonies in Tusayan 15: 298;
16: 284, 305.

ceremony, Pima 26: 187 sq.

days of, in Hopi festival 21: 20.

Purification—Continued

defense of, in Mixton war 14: 409.

mention of 35: 904, 937, 942, 947,
965, 1123, 1139, 1140, 1149, 1181,
1182, 1183, 1368, 1370.

modes of, Tsimshian 31: 451.

of body parts 30: 58.

of cannibal dancers 35: 1009.

of the Kwakiutl 35: 685, 745.

plants used for 45: 503 sqq.

rites of 47: 506, 531.

symbol in Troano Codex 16: 234.

See also Ordeals.

Purificatory Rites, Cherokee 19: 230.

Purísima, inhabitants of 7: 67.

Purple Dye, source of 30: 88.

Purpleheart, *Copaifera pubiflora*

bark for wood-skins 38: § 798.

timber used for bows 38: § 125.

timber used for clubs 38: § 419.

timber used for corials, etc. 38:
§ 794.

timber used for stone-chip graters
38: § 335.

Purposes of Baskets 41: 197-210.

Purrunaminari, man created by 30:
142.

Purse-net Hammock 38: § 477.

Pursley, James, an early trader 17:
171.

Purukuri, savanna plover, whistles
38: § 567, 844.

Pusey, William Allen, quoted on
Wilderness Road 42: 793-800.

Pushetonequa mention of 42: 7.

Pushing-Bear. *See Set-ímkia*.

Pussy Toes, medicinal use of 42:
663, 668.

Pütce or Pütci

Hopi Horn and Flute clan chief,
reference to 19: 579.

information concerning Cohonimo
from 14: 813.

Putckohu

mention of 21: 113.

See also Rabbit Sticks.

Putnam, Prof. Frederick Ward

accounts of Middle Mississippi Valley
pottery by 20: 87.

acknowledgment to 27: 29.

cited 4: 279, 367, 406; 12: 661,
669, 716; 46: 228.

description of bone pins by 2: 217.

description of cliff ruins by 16: 80.

Putnam, Prof. Frederick Ward—
Continued

- description of shell fishhook by 2: 209.
 description of shell gorgets by 2: 276, 282, 295.
 description of shell pins by 2: 218.
 description of shell spoons by 2: 195.
 description of shell vessels by 2: 196.
 examination of quarry shops by 15: 52.
 finds figured copper plate in stone grave 12: 701.
 invitation extended by, to Culin 24: 29.
 mortuary figurines obtained by 20: 41 *sq.*, 183.
 on ancient fabrics 3: 415, 418.
 on figurines found by, near Cincinnati, Ohio 20: 184.
 on Ohio mounds 5: 49 *sqq.*
 on stone graves or cists 1: 115, 116.
 on use of asphaltum 2: 227.
 on value of *Haliotis* shells 2: 191.
 pottery collected by 20: 168, 179.
 textile articles found by 13: 35.
- Putnam River**, manufactures from 18: 204.
- Putty-root** in Cherokee lore 19: 426.
- Putubang**, paddle-shaped dancing club 38: § 593.
- Püükoñ**
 appearance of mother and grandmother of 21: 43.
 derivation of 21: 125.
 Kokyan wüqti, grandmother of 21: 90.
 similarity in facial symbols of, to those of Keca 21: 78.
 wooden image of 19: 966.
- Püükoñ hoyä**
 description of 21: 90.
 Hopak, the sister of 21: 89.
 Hopi war god 19: 589.
 Paluña hoyä, twin brother of 21: 90.
 similarity of symbols of Püükoñ kateina to those of 21: 90.
 worship of 21: 21, 25.
- Püükoñ Katcinas**, dissimilarity of, and Buffalo kateinas 21: 43.
- Püükoñki**, description of 21: 25.
- Puya**, Makusi hunting arrow 38: § 143.

Puyallup

- games of the 24:
 hand game 302.
 stick game 250.
 in treaty of 1854 14: 751.
 land cessions and reservations 18: 798, 818, 842, 864.
 myths of 19: 442.
 population of 7: 105.
 reserve, changes in 18: 798.
 reserve, establishment of 18: 818, 864.

Puzzles

- string, etc. 38: p. 549 *ff.*, Chapter XXIV, *passim.*
 to deceive spirits 30: 180 *sq.*, 197.

Pyätwäyā, reference to 40: 503.**Pygmies**

- and the greedy hunters, Iroquois myth 2: 65.
 power of the 2: 65.
 references to 29: 418, 435, 500, 501, 549.

See also Pinini.

Pygmy's Mission, Iroquois myth 2: 67.**Pygocentrus**

- tooth as a scraper 38: § 18.
 tooth for cutting hair 38: § 14.
 tooth for sharpening darts 38: § 120.
 voracity of, thwarted 38: § 195.

Pyramid Lake, Nev.

- battle of, in 1860 14: 771.
 establishment of reserve at 18: 872.
 petroglyphs at 10: 92.
 rock carvings near 4: 24.

Pyramid Lake Paiute, establishment of timber reserve for 18: 832.**Pyramidal Mounds**

- definition of 12: 30.
 of Arkansas 12: 588.

Pyramidal Form of pueblo house rows 8: 61.**Pyrite**. *See* Iron Pyrite.**Pyromancy** among Algonquian tribes 14: 153.**Pyrula Perversa**, range of the 2: 143.**Pyrus Sitchensis** 45: 486, 488.

Q

- Qačàli** or Navaho chanter 5: 385, 387.
Qailertétang, fabulous people in Eskimo tradition 6: 640.

Q!ā'kitān. *See* Ānq!a'kitān.
Qāitcal!-ān, Tlingit town 26: 397.
Q!a!tcane'di, Tlingit clan, phratry and tribe of 26: 399.
Qamī'lh, a Piskwaus chief 14: 736.
Qamīl-'lēma, a Piskwaus band 14: 736.
Q!ā'nēkē'laku or **Q!ā'nēqē'laku**
 Bellabella myth of 31: 883.
 creates deer, reference to 35: 398.
Qa'pnish-'lēma, sketch of the 14: 739.
Q!aq!a'hīt tan, Tlingit clan
 history of 26: 410.
 phratry and tribe of 26: 398, 400.
Qastcēēlçī. *See* Yaybichy, dance of the.
Qā'tcadī, Tlingit clan
 crests of 26: 416.
 history of 26: 410 sq., 414.
 names of 26: 421, 422.
 phratry and tribe of 26: 399.
 standing of 26: 408.
Qātcxa'na-āk!u, Tlingit town 26: 397, 411.
Q!at!kaā'yī, Tlingit clan
 affinity of 26: 421.
 crests of 26: 417, 418.
 history of 26: 412 sq.
 names of 26: 422.
 phratry and tribe of 26: 400.
Qatqali nadloi 24: 92, 668.
Qātqlwā'aktu, Tlingit town 26: 397.
Qaumauangmiut Eskimo Tribe, situation of 6: 421, 422.
Q!eckunuwū, Tlingit town 26: 397.
Qi, definition of 16: 262.
Q'ma'shpāl, a Coeur d'Alène synonym 4: 733.
Qōlos, painting of, on house 35: 815.
Qōlos Dish 35: 815.
Q!ōmk'lut!es 35: 817.
Q!omogwa 35: 808, 870.
Q!ōmoyâ'yē 35: 811.
Qona', Tlingit town 26: 397.
Qōt!xolē
 eaten fresh with oil 35: 290.
 kept in boxes 35: 291.
 picking of 35: 218.
 preserved in oil 35: 291.
Q-tox, meaning of 16: 231.
Quachatisset, sale of land by 18: 605.
Quachichules. *See* Guachichules.

Quadjaqjug 6: 628-633.
Quadrilateral Mesh for weaving,
 crossed 38: §111, 429.
Quadruped Figures
 on pottery from Pueblo ruins, cuts
 showing 22, i: 71, 72, 153.
 on pottery from Pueblo ruins, description of 22, i: 72, 145, 154.
 on Sikyatki pottery 17: 668-671.
Quadrupeds
 myths concerning 19: 261-280.
See also **Animals**; and names of
 different animals.
Quahatika
 basketry of the 28: 140.
 mescal pits of the 28: 116.
 origin of the 28: 153.
 pottery of the 28: 140.
 reference to 28: 112.
Quail
 hunting of, with dogs 38: §181.
 in Pima song 26: 312, 321.
 in Pima tales 26: 243, 247, 249.
Quail Dance
 description of 42: 532.
 mention of 42: 523, 524.
Quail Plant, Pima medicinal remedy
 26: 79.
Quaitso, population of 7: 105.
Quake, a Creole term for certain open-
 work baskets 38: §425.
Quakers
 account of the 14: 936.
See also **Batthey**; **Friends**; **Haworth**;
Standing.
Qualities, discussion of 19: LV, LVII sq.
Qualla Boundary, designation of
 18: 879.
Qualla Reservation
 clearing of East Cherokee title to
 19: 173 sq.
 purchase of 19: 159.
 settlement of boundary of 19: 179.
Quama. *See* Kuamma.
Quamash, used medicinally 42: 667.
Quamasia Quamash 45: 481.
Quanah
 capture of mother of 17: 270.
 delegate to Washington in 1892 17:
 223, 364.
 efforts of, to lease grass lands 17:
 350.
 former name of father of 14: 1044.
 in battle of Adobe Walls 17: 203.

Quanah—Continued

- judge of Indian court 17: 221.
- surrender of band under 17: 214.
- See also* **Parker, Quanah.**

Quanami. *See* **Clibadium.**

Quantities

- discussion of 19: LV sq.
- of pottery found in eastern United States 20: 23.

Quantity, sign for 1: 291, 359, 445.

Quapaw Indian

- a southern Siouan tribe 7: 113.
- cultural distinctions of the 42: 712.
- descent among the 42: 696.
- dwellings of the 42: 688.
- early habitat of the 7: 113.
- general account of the 27: 67 sqq.
- habitat of the (about 1885) 7: 116.
- in Texas, union of, with Cherokee 19: 143.
- land cessions and reservations 18: 688 sqq., 706, 748, 842 sqq.
- legendary origin of the 37: 50.
- linguistic classification of the 27: 605.
- linguistic work among the 6: xxxvii.
- name of the Comanche 14: 1043.
- Omaha name for the 27: 36, 101.
- Omaha parting from the 27: 72.
- population of the (about 1885) 7: 118.
- position of the 42: 118.
- relation to other tribes 27: 35, 37 sq.
- relations of, with Osage 36: 45, 46.
- tribal organization of 27: 141.
- See also* **Kwapa**; and names of gentes.

Quaquito

- purchase of reserve for 18: 766.
- reservation for 18: 738.

Quarentena, spree, etc. 38: § 286.

Quarez, Agoniez, wounded at Cibola 14: 557.

Quarrelers classed as Athapascan 7: 52.

Quarrels

- between husband and wife 35: 742.
- domestic 35: 1358 sq.

Quarries

- aboriginal flint 44: 505-540.
- in Winnebago territory 37: 86.
- of rhyolite 15: 75.

Quarries—Continued

- of the highland 15: 72.
- of the Potomac lowland 15: 147.
- steatite, distribution of 15: 106.
- steatite, researches in 15: 113.
- See also* **Quarry; Quarry Pits; etc.**

Quarry

- blades, destiny of 15: 62.
- blades, distribution of 15: 79.
- flint, in Indian territory 13: xxvii.
- flint, in Ohio 13: xxvii.
- for grater stone chips 38: § 338.
- novaculite, in Arkansas 13: xxvii.
- relation of, to cache 15: 79.
- soapstone, examination of 13: xxvi.
- See also* **Quarries; Quarry Pits; etc.**

Quarry Pits, distribution of 15: 64.

Quarry Shops

- bulletin on 15: L, LI, LIV, LVIII, LXII.
- character of refuse of 15: 52.
- character of work at 15: 53.
- distribution of 15: 53.
- near Riggs Mill 15: 70.
- of District of Columbia 15: 30.
- on Dumbarton Heights 15: 62.
- on Piny Branch 15: 33.
- product of the 15: 53.
- rejects of 15: 147.
- researches on 15: XLVII.
- work of, illustrated 15: 150.
- See also* **Workshop.**

Quarry Sites, distribution of implements by 15: 142, 143.

Quarrying

- aboriginal method of 15: 23, 44, 48, 49, 50.
- of steatite 15: 106.

Quarta. *See* **Panpipes.**

Quarters, Cult of 19: 834, 845 sq.

Quarters, The Four 11: 524, 537.

Quartier, Jacques, on dice game, Hurons 24: 108.

Quartz

- and quartzite implements 46: 173.
- beads 38: § 76.
- character of 15: 83.
- character of deposits of 15: 24.
- chest ornaments 38: § 20, 537.
- Eskimo implements made of 18: 75, 83, 149.
- Eskimo ornaments made of 18: 48, 49.
- implements of, discussion of 15: 87.

Quartz—Continued

- in inlaying eastern United States pottery 20: 52.
- not adapted to pecking 15: 96.
- pebbles, development of implements from 15: 144.
- pebbles on tidewater Potomac 15: 72.
- quarries by aborigines 15: 23.
- transportation of, by floods 15: 22.
- use of, as tempering material 20: Middle Mississippi Valley pottery 83.
- Potomac-Chesapeake pottery 151.
- South Appalachian pottery 138.
- use of, in aboriginal art 15: 24.
- used for drills 15: 85.
- used for flaking 15: 29.
- used for implement making 15: 135.
- See also* Materials; Quartzite; Rocks, siliceous.

Quartz Creek, site at 46: 90.

Quartz Crystals

- Eskimo belief concerning 18: 446.
- from Sikyatki 17: 729.
- probable use of, by Pueblo Indians 22, i: 186.
- use of 44: 92 sq.
- use of, by Southwestern tribes 28: 130.

Quartzite

- adaptability of, for flaking 15: 61.
- blades, source of 15: 79.
- boulders in Piny Branch quarries 15: 43.
- boulders near Washington 15: 138.
- character of 15: 23, 24, 83.
- compact, definition of 13: 58.
- implements of, discussion of 15: 86.
- not adapted to pecking 15: 96.
- transportation of, by floods 15: 22.
- use of, for drills 15: 85.
- use of, for flaked tool making 15: 29, 100.
- use of, for implement making 15: 135.

See also Quartz; Quartz Crystals.

Quashqua's Band

- cession of reserve by 18: 758.
- reservation for 18: 740.

Quassia Amara, febrifuge 38: § 927.

Quataquois; Quataquon, Kiowa Apache synonyms 17: 245.

Quatern Symbols, range and diversity of 22, i: xv sq.

Quaternary Concept among primitive peoples 19: 834 sq.

Quaternary-Quinary System among primitive peoples 19: 843, 850.

Quatrefages, Dr. A. de

cited 46: 175, 234, 237, 330, 332, 333, 338, 348, 354, 371.

on appearance of Indians in the valley of the Missouri 5: 109.

Quauhtitlan. *See* Chimalpopoca.

Quauhtli day symbol, discussion of 16: 250.

Quebec

fall of 19: 40.

Menomini at siege of 14: 16.

proclamation for government of 18: 558 sq.

Quebec Province, Canada, Iroquoian pottery from 20: 170.

Quebita Guinensis for snake bite 38: § 929.

Queen Charlotte Islands

language of, Gallatin 7: 119.

tattooing in 4: 66-73, 189.

Tlingit name for 26: 414.

Queensland, cannibalism in 30: 158.

Queets, mention of 41: 136.

Quelch, J. J.

on clay models 30: 140.

on poison making 30: 304.

Queniut, population of 7: 105.

Quercus, use of 44: 292, 356, 378.

Quercus Macrocarpa

mention of 33: 75.

use of 44: 292, 307, 320, 338, 340, 344, 369.

Quercus Oblongifolia, acorns of 26: 78.

Quercus Rubra

medicinal constituents of 44: 304.

medicinal properties of 44: 302.

mention of 33: 75.

use of 44: 292, 338.

Quercus Stellata, medicinal use of 42: 659.

Querechos

description of 14: 527, 528.

description of, by Coronado 14: 580.

description of, by Jaramillo 14: 587.

- Querechos**—Continued
 identification of, with Tonkawa 14: 396.
 manner of life of 14: 504.
- Queres**
 pueblos of the 14: 525.
See also Keresan Family.
- Queretaro College**, sending of friars to Sonora by 17: 79.
- Queries**
 concerning Indian beliefs 11: 538.
 for observers, regarding burial 1: 202, 203.
See also Question.
- Quern**, development of 20: xv.
- Quer'-rān-na Society**, organization and ceremonials of 11: 112, 113, 130.
- Quesada, A. de**, visit of, to Arizona 13: 185.
- Question**
 sign for 1: 291, 297, 303, 447, 480, 486, 494.
 signals for 1: 531, 536.
See also Queries.
- Quetzal** symbol in Dresden Codex 16: 224.
- Quetzalcoatl** (*Mexican god of air*)
 mention of 1: 230, 237, 239, 240, 241, 242, 243; 25: 237.
 painting of, on wall in Santa Rita mound 19: 665, 668, 673, 678.
- Quevado, A. Lafonte**, on Tabo numeration 19: 838.
- Queyu.** *See Ku-yu.*
- Queza.** *See Niza.*
- Quiahuitl** day symbol, discussion of 16: 259.
- Quiarlpi**, a Colville synonym 14: 732.
- Quiauiatlan**, a Totonac ruin 25: 231, 243 *sq.*
- Quiche** or **Qu'iché**
 myth, reference to monkey in 16: 243.
 number names of the 19: 862, 864.
- Quiche-Cakchiquel**
 day names of the 16: 206.
 days, list of 19: 807.
- Quichua**, ceremony of 19: 453.
- Quick, J. H.**, petroglyphs described by 10: 90 *sq.*
- Quid Boxes**, Eskimo 18: 278 *sqq.*
- Quigaltanqui**, mention of 42: 440.
- Quigyuma**, reference to 28: 209.
- Quii** day symbol, discussion of 16: 245.
- Quii-lana**, meaning of 16: 232.
- Quijotoa**
 Apache-Papago fight at 26: 43, 45.
 visited by Kino 26: 27.
- Quijotoac**, reference to 28: 140.
- Quileute Indians** or **Tribe.**
 basketry of the 41: 376.
 mention of the 41: 136.
 population and habitat of the 7: 63.
 researches among the 29: 23.
 studied by Dr. L. J. Frachtenberg 38: p. 11.
 work among, of Dr. L. J. Frachtenberg 37: 18.
- Quillehute** land cessions and reservations 18: 808, 866, 928.
- Quills**
 Eskimo fishing lines made of 18: 175 *sq.*
 porcupine, dyeing of 44: 269, 271.
 porcupine, use of 46: 590, 591.
 use of, for ornamentation 41: 148.
- Quillwork**
 antedating beadwork 45: 46 *sq.*
 description of 27: 203, 345 *sqq.*
 mention of 41: 363, 364-368, 370.
 on bags 45: 48 *sq.*
 on birch bark 45: 52.
 on caps 45: 226.
 on clothing 45: 66, 67, 70, 76, 77, 337.
 porcupine 42: 690.
- Quinahaqui**, De Soto's visit to 19: 28.
- Quinaielt**
 dice games of the 24: 156.
 land cessions and reservations 18: 808, 866.
 population of the 7: 105.
See also Quinault.
- Quinaielt River**, treaty of 18: 808.
- Quinary System** of numbers 19: 875-880.
- Quinary-Vigesimal System**
 employed by Nahuatlan, Zapotecan, Mazatecan, Trikean, Mixean and Zoquean peoples 19: 921.
 geographic extent of 19: 924.
 illustrations of 19: 882-890.

Quinault

mention of the 41: 136.

See also **Quinaiaelt**.

Quince

juice, use of, as poison antidote 14: 537, 541.

See also **Patol**.

Quincunial Concept among primitive peoples 19: 835 *sq.*

Quinine Plant, nuts of, eaten by Pima 26: 78.

Quinn, T. J., reservation for 18: 869.

Quinoise

a Wawenock at Falmouth Conference 43: 174.

possible origin of the name 43: 174.

Quintilian

on antiquity of gesture language 1: 285.

on powers of gesture 1: 280.

on questioning by gesture 1: 449.

on rules for gesture 1: 285.

Quintockey, a rendering of Kentucky 42: 47.

Quiogozon, a charnel-house so called by early writers 1: 94.

Quipu

a mnemonic device of the Indians of Peru and Guiana 10: 224 *sqq.*

of the Peruvians 4: 79; 9: 553.

system similar to the 42: 40, 455.

See also **Strings**.

Quiquito. *See* **Quaquito**.

Quirena, a secret society 47: 71.

Quirigua

face numerals of initial series of inscriptions at 22, i: 203-219.

face numerals of inscriptions at 22, i:

secondary series of 226-233.

Stela A, discussion of 215 *sqq.*, 232 *sq.*

Stela C—

discussion of 217 *sqq.*, 233, 257.
figure showing 217.

Stela E—

discussion of 228-232.

figures and plates showing 229, 230, 231.

Stela F—

discussion of 203-212, 226 *sqq.*
figures and plates showing 217.

Stela J, discussion of 212-215.

Quirigua—Continued

inscriptions at 22, i:

Great Cycle symbols on, figures showing 266.

Great Cycle symbols on, figure and plates showing 211, 217, 218, 221, 224, 225, 227, 229, 230, 231.

terminal dates of, significance of 290-299.

inscriptions of 19: 743.

monster's head from 19: 674.

Quiripa, snail shell beads 38: § 540.

Quiripi Dialects, location of 43: 214.

Quirix

origin of the name 29: 574.

Spaniards visit province of 14: 503, 519, 525.

See also **Queres**.

Quirk, Richard, on Antillean stone implements 25: 92.

Quirt of the Dog soldiers 14: 987.

Quisare, cassarip 38: § 248.

Quiver Rods of the Eskimo 9: 209.

Quivers

bark or skin 42: 693.

description of 27: 452; 45: 100 *sq.*

for darts 38: 124.

hair used as 42: 684, 693.

materials used for 45: 242.

of the Eskimo 9: 207 *sqq.*; 11: 247; 18: 161.

of the Kiowa 17: 276.

of the Menomini 14: 281.

of the Omaha 13: 287.

See also **Arrows**; etc.

Quivira

cartographic history of 14: 403, 544.

causes for stories of Turk regarding 14: 588.

death of Friar Padilla at 14: 401.

departure of Coronado 14: LVII, 396, 508.

description of 14: 521, 577.

description of, by Coronado 14: 582.

description of, by Jaramillo 14: 589.

descriptions of, received by Coronado 14: 393, 576, 580.

mention of 14: 492.

searched for by Coronado 13: 326.

Qulh day symbol, discussion of 16: 232.

Quoits

general description of 24: 722.

played by the Caribs 34: 136.

played by the 24:

Eskimo, Western 723 *sq.*

Haida, Kaigani 725.

Keres 724.

Kwakiutl 725.

Micmac 722.

Mohave 722, 726

Navaho 722.

Pima 724.

Tarahumare 722, 724 *sq.*

Zuñi 722, 726 *sq.*

Quoit-tsow, another name for Wovoka 14: 702.

Quoitze Ow, name applied to Wovoka 14: 765.

Quoratean Family

of languages, mention of 7: 100 *sq.*

of languages, work on 11: xxix.

Qwú'lh-hwai-pûm, a Klú'kātāt synonym 14: 738.

R

Rabelais, François

on forced and mistaken signs 1: 338.

on head shaking 1: 441.

on primitive language 1: 282.

on sign for marriage 1: 290.

on signs addressed to women 1: 310.

on universal language 1: 287.

Rabbit

and bear, distribution of myth of 19: 234.

and flint, origin of myth of 19: 234.

and the panther, folk tale of 14: 221.

and the saw-whet, folk tale of 14: 200.

belief concerning 41: 608.

character of, in various mythologies 19: 231 *sqq.*

clothing made from skin of 26: 158.

Eskimo methods of snaring 18: 124.

figure on Sikyatki pottery 17: 669, 670.

Rabbit—Continued

hair of, use of, in Hako ceremony 22, ii: 21.

hunt, ceremony over rabbits taken in 23: 443.

hunt, description of 23: 442 *sq.*

hunt, purpose of 23: 442. :

hunted by the Pima 26: 59.

hunts, ceremonial 47: 308, 324, 335 *sq.*

hunts, description of 47: 102.

hunts, occurrence of 47: 68.

in Indian mythology 16: 236.

in Menomini myth 14: 87, 113, 126.

in Paiute myth 14: 105.

in Pima mythology 26: 215 *sq.*, 248.

in Pima tales 26: 242, 249.

in Potawatomi myth 14: 207.

method of killing the 23: 91, 92.

myths concerning 11: 65, 334, 472;

19: 262, 263, 266-277, 407, 431,

447-452, 463, 467.

sign for 1: 321.

skin robe of Tusayan 17: 629.

skin robes, use of, to cover doorways 8: 182, 194.

skin, use of, as rug, by Hopi katecinas 21: 50, 74, 76, 78, 79, 106.

skins, use of, for garments 14: 517.

sores caused by 26: 263.

symbol in the codices 16: 235.

taboo of, to the taíme 17: 323.

tails, use of, for necklaces, in decoration of Hopi katecinas 21: 67.

See also Brer Rabbit; Gods; Hare.

Rabbit Brush

blossoms of, used for basketry 30: 81.

stems of, used for dyeing 30: 80.

Rabbit Clan

native names for 42: 115.

use of the term 42: 145.

See also Tabo Clan.

Rabbit Dance

description of 42: 533.

mention of 42: 524.

Rabbit Disease, treatment for 42: 641.

Rabbit-foot 33: 97.

Rabbit Lake

cession of reserve at 18: 830.

reservation at 18: 802.

Rabbit People, former inhabitants of Homolobi 22, i: 24.

- Rabbit Rock**, myth of the 14: 117.
- Rabbit Sticks**, appearance of, in pictures of Hopi kateinas 21: 67.
- Rabbits**, a Kiowa military order 14: 989; 17: 230.
- Racaciri**. *See* **Protium aracouchili**.
- Raccoon**
 a man-being in Iroquoian cosmology 21: 202.
 and the blind men, folk tale of 14: 211.
 eaten by the Pima 26: 82.
 effigy vessel, from house circle 41: 594.
 myths concerning 19: 289 sq., 449.
 special connection of, with woman 27: 512.
 suggestion of figure of, on vessel from Four-mile ruin 22, i: 145.
- Raccoon Clan**
 busk name of 42: 614.
 facial painting of 42: 170.
 native names for 42: 115.
 of the Natchez 42: 118.
 story concerning 42: 108; 44: 199.
 Tukabahchee chief selected from 42: 148.
- Raccoon Disease**, children affected by 42: 641.
- Raccoon River**, reference to 27: 88.
- Race Course** through street 47: 210.
- Race, Eskimo**
 purity of 46: 365.
 unity or plurality of 46: 356.
 yellow-brown 43: 357.
- Race Sense**, Seri 17: 154* sq., 160*-163*.
- Race Tracks**
 of Nambé 29: 362.
 of San Juan 29: 211, 217.
 See also **Race Course**.
- Race Types**, Seri 17: 160*.
- Races** (1)
 of people, definition of 15: xvii.
 See also **Peoples**.
- Races** (2)
 among the Jicarilla Apache 26: 173.
 among the Menomini 14: 245.
 among the Pima 26: 172 sqq.
 among the Sobaipuri 26: 173.
 betting on 46: 566.
 foot, Guiana Indian 38: § 591.
 in Pima mythology 26: 241, 249.
- Races** (2)—Continued
 in Pima song 26: 298.
 nonritualistic 47: 329 sq.
 Papago with Pima 26: 172.
 ritual 47: 283.
 time of 47: 289.
 to help the sun 47: 324-329, 342.
 See also **Foot-race**; **Racing**.
- Racine, Wis.**, mounds near 5: 14.
- Racing**
 among the Eskimo 18: 340.
 among the Indians 19: 494.
 foot, reference to 27: 88.
 in Hopi ceremonials 15: 261.
 in Seneca myth 19: 369.
 vogue of 45: 260.
 See also **Races** (2).
- Racing Katcina**
 in Tusayan 15: 298.
 See also **Wawac**.
- Racket**
 borrowed by the whites 24: 32.
 general description of 24: 562 sq.
 played by the 24:
 Abnaki 571, 708.
 Assiniboin 610 sq.
 Caughnawaga 573 sq.
 Cherokee 562, 563, 574-588.
 Cheyenne 563.
 Chickasaw 597.
 Chinook 562, 563, 573.
 Chippewa 562, 563, 564-567, 568, 573, 611, 616.
 Choctaw 562, 563, 598-605.
 Cree 573.
 Dakota 562.
 Dakota, Santee 563, 611-614.
 Dakota, Yanktonai 614.
 Delawares 567.
 Gualala 594 sq.
 Hurons 563, 588 sq.
 Iowa 615.
 Iroquois 590 sq., 592 sq.
 Menomini 567 sq.
 Miami 563, 569.
 Missisauga 563, 565, 569.
 Miwok 596 sq.
 Mohawk 563, 590 sqq.
 Muskogee 562, 605 sqq.
 Nipissing 570.
 Nishinam 608 sq.
 Onondaga 592.
 Oto 615.

Racket—Continued

- played by the 24—continued
 - Passamaquoddy 570 sq.
 - Penobscot 571.
 - Pomo 562, 594 sq.
 - St. Regis 592.
 - Salish 562.
 - Santee 562, 563.
 - Sauk and Foxes 564, 572 sq.
 - Seminole 562, 608.
 - Seneca 562, 563, 592 sqq.
 - Shawnee 573.
 - Sioux 573.
 - Skokomish 609.
 - Thompson Indians 562, 609 sq.
 - Topinagugim 597.
 - Winnebago 562, 615 sq.
 - Yokuts 595.
- referable to net-shield 24: 33.
- See also **Lacrosse**; **Raquette**.

Racks

- for drying 35: 233, 238.
- for holding baskets 35: 171.
- for suspending clothes 8: 208, 214.

Radin, Dr. Max, acknowledgment to 37: 48.

Radin, Dr. Paul

- appointment of 31: 17.
- contributor to Bureau 48: 1189.
- ethnologic research by 32: 21.
- manuscript by 30: 24.
- manuscript by, on Huave 37: 21.
- mention of 32: 9.
- on Ojibwa dialect 28: 290a.
- reference to 40: 504, 548.
- systematic research by 33: 29.
- work of 31: 17.

Radio

- Acoma attitude toward 47: 34.
- mention of 46: 107.

Radisson, Peter Esprit

- on Dakota eating wild rice 19: 1083.
- on Dakota gathering wild rice 19: 1061.
- on Dakota use of wild rice 19: 1046.
- on location of Huron Indians in Wisconsin 19: 1055.
- on Menomini use of wild rice 19: 1048.
- on popular synonym for wild rice 19: 1046.
- on synonym for Menomini Indians 19: 1048.
- on time of year Dakota consume wild rice 19: 1087.

Radius

- mention of 46: 156, 160, 164, 165.
- Western Eskimo 46: 314-317.

Rae, C. S., celt owned by 34: 177.

Rae, John

- cited 6: 411, 445, 446, 448, 450, 451, 452, 455, 459, 478, 485, 510, 597; 46: 332, 333, 337, 338, 351, 371.
- on Eskimo fire-making 9: 290.
- work consulted 9: 24.

Raffaelle, on attention to gestures 1: 292.

Rafinesque, Constantine Samuel

- cited 4: 233.
- earthworks surveyed by 42: 784.
- extravagant hypothesis of 12: 599.
- on first appearance of whites 19: 191.
- on name Tallige'wi 19: 184.
- translation of *Walam Olum* by 19: 190.

Rafn, Carl Christian, objects figured by 25: 96.

Rafts

- Cherokee use of 19: 496.
- made for Diaz by Colorado River Indians 14: 407.
- of poles and canes 13: 15.
- of the Guiana Indians 36: § 802.
- of wattle work 13: 13.
- use of 42: 689; 45: 248.
- use of, in crossing Colorado River 14: 486.

Rage, showing of the teeth as sign of 20: CXLIII.

Ragged Island, number of specimens from 34: 50.

Ragweed

- mention of 22: 132.
- use of, in medicine 30: 51.

Raids

- Apache 26: 200-204.
- distances covered in 42: 736.

Raiford, Philip H., letter by, to commissioner 42: 217.

Railroad Cars, sign for 1: 322.

Railroads

- development of 27: 624.
- development of, in far southwest 26: 56, 59, 60, 63, 64.
- following buffalo trails 42: 742.
- in Cherokee country 19: 151.
- Indian trails followed by 42: 744.

Rain

- ancestors identified with 47: 510.
- and growth of corn, Zuñi ceremonies for 23: 180-204.
- averting 30: 268.
- belief concerning 45: 178.
- ceremonial procedure for 30: 36, 37, 89, 91, 97; 47: 530.
- conjuring 22, ii: 167.
- controlled by water creatures 42: 490.
- dancing for 47: 886.
- effect of, on sickness 30: 348.
- gesture signs and symbols for 10: 701.
- Hopi prayers for 15: 261.
- invoked by the bull-roarer 4: 975.
- kateinas associated with 47: 844.
- Menomini mythic origin of 14: 40.
- part played by, in Hako ceremony 22, ii: 101-104.
- personification of, by the Navaho 17: 509.
- prominent in Flute ceremony 19: 1005.
- representation of, by Eastern United States Indians 20: 100.
- representation on Hopi masks of symbols to bring 21: 114.
- signs 30: 269, 275.
- superstition regarding 42: 515 sq.
- symbol in Dresden Codex 16: 258.
- symbol in Troano Codex 16: 222.
- symbol of bird ornaments 17: 733.
- symbolic prayer for 15: 312.
- symbols, appearance of, in Hopi pictures 21: 47, 84, 88, 92, 105, 119.
- symbols in Hopi pictography 15: 311.
- symbols of Chinese and Indians, comparison of 17: 295.
- symbols of, in Hopi festivals 21: 41, 42.
- symbols on Tusayan kilts 15: 295.
- terms relating to 29: 57 sq.
- worship of, by Pueblo Indians 14: 561.
- Yuman and Serian names for 17: 340* sq.
- See also* **Cloud; Rain Ceremony;**
etc.

Rain Ceremony

- among the Menomini 14: 150.
- among the Pima 26: 347-352.
- among the Sia 11: 76, 91, 101, 113.
- Casa Grande 28: 113.
- instruments used in 26: 167.
- medicine-men in 26: 259.
- See also* **Rain-making Ceremonies.**
- Rain Chief**, functions of the 15: 311.
- Rain Clan**, member of Patki groups 19: 596.
- Rain Cloaks**, use of 45: 235.
- Rain Cloud Clan**
 - association of, with Piba clan 19: 601.
 - basket dance of the 21: 22.
 - kateinas of, celebration of advent of, in Soyalaña 21: 57.
 - See also* **Patki Clan; Water-house Clan.**
- Rain Cloud People.** *See* **Patki.**
- Rain Cloud Symbol**
 - appearance of, in Hopi festivals 21: 29, 41, 42, 47.
 - in pictures of Hopi kateinas 21: 59, 64, 66, 68, 80, 81, 84, 88, 90, 92 sqq., 98, 102, 106 sqq., 112, 118, 120.
 - of the Hopi 17: 681.
 - on Awatobi cist 17: 613.
 - on gravestones 17: 732.
 - on Hopi kilt 15: 263.
 - on Hopi pottery 17: 694.
 - on objects from Pueblo ruins in Arizona, description of 22, i: 73 sq. 155-158.
 - on Sikyatki pottery 17: 689, 690.
 - views of 22, i: 74, 80, 81, 157.
- Rain Clouds**, depicted on Walpi Snake altar 19: 983.
- Rain Deity**
 - in Dresden Codex 16: 226.
 - in Troano Codex 16: 217.
 - of the Mexicans 16: 216.
 - of the Quiche 16: 238.
 - See also* **Rain Gods.**
- Rain Frocks** of the Eskimo 9: 122.
- Rain Frog**, *Hyla renulosa*
 - harbinger of rain 38: § 938.
 - legends of 30: 125, 195 sq., 198.
 - origin of 30: 125.
 - See also* **Frogs.**

Rain Gods

- in Pima legend 28: 42, 47.
- of the Hopi 15: 312.
- of the Pima 26: 350.
- See also* **Rain Deity**.

Rain Makers

- account of the 44: 268 *sq.*
- among the Menomini 14: 150.
- beliefs concerning 47: 513.
- by whom directed 23: 20, 21.
- dance of, description of 47: 82 *sqq.*
- description of 23: 22.
- invoking of 23: 21.
- method of producing thunder 23: 22.
- of the cardinal points 47: 66.
- responsibility of the 42: 630.
- use of the term 47: 513.

See also **Katcina Organization; Katcinas; K'atsinas; Rain Priests.**

Rain Making

- mention of 30: 254, 267 *sq.*, 345; 42: 616, 629 *sqq.*
- one of the powers ascribed to Indian medicine-men 9: 455 *sq.*

Rain-making Ceremonies

- description of 47: 330 *sq.*
- importance of 47: 540.
- time of 47: 289, 331, 514 *sq.*

See also **Rain Ceremony.**

Rain Man in Pima legends 28: 47 *sq.***Rain Myth**

- Hindu 1: 27.
- Oraibi 1: 26.
- Shoshone 1: 26, 27.
- signs for 1: 344, 359, 372.

Rain Priests

- account of the 30: 36.
- Datura* used by the 30: 52.
- Euphorbia* used by the 30: 52.
- medicines of the 30: 39.
- Zuñi, correspondence of, to katcina fathers 21: 56.

See also **Rain Makers.**

Rain Shelter 38: § 269.**Rain Shrine**

- pipe of, use of 22, ii: 101-104.
- priest of, duties of 22, ii: 19, 48.

Rain Songs

- among the Sia 11: 123, 126, 128.
- mention of 33: 119; 39: 230, 351-355; 45: 665-672.
- of Wovoka 14: 772.

Rain Symbol

- at Mishongnovi Cakwaleña altar 19: 992.
- at Mishongnovi Flute altar 19: 991.
- made of kernel of corn 19: 993 *sq.*
- of Macileña altar 19: 989.

Rain Wi'-gi-e 45: 665 *sqq.***Rainbow**

- beliefs concerning 11: 37, 56, 401, 508, 517; 30: 268; 42: 480.
- Indian name for 42: 480.
- in Navaho genesis 17: 488.
- legend of travel of Hopi gods on 21: 121.
- myth, Shoshoni 1: 27.
- myths concerning 19: 442.
- personification of 30: 170, 268.
- symbols of, appearance of, in Hopi pictures 21: 64, 102, 108, 121.
- symbols on Sikyatki pottery. 17: 681.
- terms relating to 29: 58.
- Tlingit conception of 26: 452.

Rainbow Disease, treatment of 42: 649.**Rainbow Worm in Zuñi mythology 13: 408.****Rainfall**

- at Point Barrow, Alaska 9: 31.
- in Verde Valley 13: 245.
- reduction of 33: 163.

Raiser, employment of, in hammock making 38: § 469.**Rakes of the Eskimo 18: 74.****Raleigh, Sir Walter**

- charter granted to 18: 529.
- races of Trinidad enumerated by 34: 64.

Ralls County, Mo., mounds in 5: 42.**Rama method of forming numbers 19: 918.****Ramirez, —, on Mexican wind and rain gods 16: 216.****Ramirez de Vargas, Luis. *See* Vargas.****Ramirez, José Fernando**

- classification of Seri by 17: 96.
- on Nahoas counting 19: 876.
- Seri vocabulary studied by 17: 95 *sq.*, 296*.

Ramirez, Father Juan, at Acoma 47: 27.

- Ramirez, Sebastian**, treatment of Indian by 18: 539.
- Ramirez Codex**, labret shown in 3: 85.
- Ramon Pane, Fray**
 as a historian 25: 19 sq.
 cited on inhabitants of Haiti 25: 139.
 Haitian dialect spoken by 25: 77.
 on Antillean priesthood 25: 147.
 on Haitian ceremonies for rain 25: 65.
 on Haitian traditions 25: 73 sq.
 on polygamy among Borinquenos 25: 48.
 on Porto Rican legend 25: 109.
 on religion of Borinquenos 25: 129, 131.
 on treatment of medicine-men 25: 62 sq.
 on *zemis*, Antillean 25: 55, 56, 57, 146.
 on *zemis*, Haitian 25: 54, 73.
 origin of turtle recorded by 25: 197.
See also **Pane, Ramon.**
- Rampart** 46: 132.
- Ramphastos.** *See* **Toucan.**
- Ramsey, A.**, mound on land of, Tennessee 12: 356.
- Ramsey, J. G. M.**
 cited 12: 676, 694.
 on agitation for cession (1796) 19: 80.
 on appointment of Governor Blount 19: 69.
 on appointment of Cherokee agent by North Carolina 19: 61.
 on attack on Buchanon's station 19: 73.
 on battle of King's Mountain 19: 57.
 on border conditions in 1777 19: 55.
 on bounties for American scalps 19: 47.
 on burning of Cowee 19: 61.
 on capture and release of Joseph Brown 19: 66.
 on capture and release of Samuel Handley 19: 74.
 on Cherokee attitude at the beginning of the revolution 19: 47.
 on Cherokee desire for peace (1792) 19: 72.
 on Cherokee habitat 7: 78.
- Ramsey, J. G. M.—Continued**
 on Cherokee land cessions 19: 46.
 on Cherokee part in French and Indian war 19: 39.
 on Cherokee peace town 19: 207.
 on Cherokee War of 1760-1761 19: 45.
 on Chickasaw surrender of land between Cumberland and Duck Rivers 19: 66.
 on Christian's expedition 19: 51.
 on destruction of Chickamauga towns 19: 55, 79.
 on Doherty-McFarland expedition 19: 75.
 on expedition from Virginia through Cherokee country 19: 30.
 on French and Spanish encouragement of Cherokee hostility 19: 62, 67.
 on Indian warpath 19: 206.
 on Indian fighting in 1793 19: 76.
 on Jack's expedition 19: 50.
 on killing of Indians by John Beard 19: 74.
 on minor Cherokee-American conflicts (1776-1795) 19: 48, 63, 64, 65, 66, 69, 70, 75, 76.
 on Nancy Ward 19: 204.
 on Old Tassel's talk 19: 60.
 on origin of Chickamauga band 19: 54.
 on Gen. James Robertson 19: 62, 205.
 on Rutherford's expedition 19: 49, 205.
 on Sevier and Campbell's expedition (1780) 19: 58.
 on Sevier's expedition (1781-1782) 19: 59, 60.
 on Sevier's last expedition (1792) 19: 75.
 on Tellico conference 19: 79.
 on the Suck 19: 464.
 on threatened burning of Chilhowawee 19: 73.
 on Tory Indian raid in South Carolina 19: 47.
 on treaties of De Witt's Corners and Long Island 19: 54.
 on treaty of Holston 19: 69.
 on treaty of Hopewell 19: 62.
 on treaty of Nashville (1783) 19: 63.

- Ramsey, J. G. M.**—Continued
 on treaty of Tellico (1798) 19: 81.
 on westward emigration 19: 45.
 on Williamson's expedition 19: 50.
 on Yuchi among Cherokee 19: 386.
- Ramusio, Giovanni R.**
 citation from collection by 17: 52.
 letter by 14: 349.
 on Acoma 29: 543.
 on Pecos 29: 476.
 quotation from 14: 554, 556.
 translation of Mendoza's letter by 14: 552.
- Rana Tinctoria** for artificial coloration of feathers 38: § 84.
- Rancheria de la Laguna**, reached by Anza expedition 44: 47.
- Ranchito**, destruction of 47: 208.
- Rand, —**
 on Micmac form 28: 284.
 work of, cited 28: 238.
- Range**
 of American pottery 20: 19 sq.
 of eastern United States pottery 20: 22 sq.
 of Middle Mississippi Valley pottery 20: 80.
- Ranjel, —** on De Soto's expedition 19: 25, 26, 191-201.
- Rank**
 and position transferred from parent to son 35: 1089.
 given up by old man 35: 1349, 1351.
 insignia of 46: 592 sq.
 mention of 35: 465, 1078.
 of numayms 35: 1046.
 of tribes 35: 758, 968.
 rise in 35: 1113.
- Ranters**, account of the 14: 936.
- Ranunculaceae** 33: 80.
- Ranunculus Douglasii** 45: 473, 505.
- Ranunculus Glaberrimus** 45: 512.
- Ranunculus sp.** 45: 511, 512.
- Rape**
 among the Omaha 3: 365.
 punishment for 46: 482.
- Rapid City**, appearance of troops at 14: 850.
- Rapid Indians**, a synonym of the Gros Ventres 14: 955.
- Rapids**, hauling over 38: § 801.
- Rappahannock Valley**, archeology of 13: xxvi.
- Rapport** necessary in gestures 1: 310.
- Rappu**, bamboo, poison 38: § 123.
- Raquette**
 game of 24: 604 sq.
See also Racket.
- Raritiesharu Society** 22, ii: 234, 235.
- Rasaceae** 33: 84.
- Raskemute**, sale of land by 18: 617.
- Rasles, Father Sebastian**
 account of death of 43: 172 sq.
 definitions by, on tops 24: 735.
 mutilation of body of 19: 209.
 on European games, Norridgewock 24: 792.
 on the use of shell beads 2: 231.
 on words referring to games 24: 81 sq.
 reference to 28: 238.
- Rasmussen, K.** 46: 166, 205.
- Raspberry**
 black, use of 44: 292, 356.
 medicinal use of 45: 466.
 red, beverage made from 44: 317.
 red, use of 44: 292.
 use of, as stain 45: 502.
 white-bark, use of 45: 483, 487, 502.
 white-flowering, use of 45: 488.
 wild, mention of 33: 84.
See also Rubus Strigosus.
- Rasping**, employment of, in trephining 16: 57, 59.
- Rat Indians** of Alaska, mention of 9: 49 sq.
- Rat or Mouse Disease**, treatment for 42: 642.
- Ratibida Columnaris**
 hair cut to resemble 43: 90.
 mention of 33: 131.
- Ratification of Peace** 38: § 777.
- Rations**
 Sioux, table of 14: 839.
See also Food; Sioux Outbreak.
- Rats**
 capture of 38: § 172.
 eaten by the Pima 26: 80.
- Rattle**
 a man-being in Iroquoian cosmology 21: 174.

Rattle—Continued

- appearance of, in pictures of Hopi kateinas 21: 64, 72, 78 *sqq.*, 83, 86, 92, 95, 96, 99, 102 *sqq.*, 107, 114.
- connected with songs 39: 264.
- deer hoof 45: 164.
- described and figured 14: 148.
- description of 30: 330 *sq.*
- distribution of, in Powamû festival 21: 31.
- gourd, appearance of, in pictures of Hopi kateinas 21: 82.
- gourd, from Pueblo ruins, description of 22, i: 163.
- gourd, of the Guiana Indians 38: § 573.
- gourd, of the Menomini 14: 77, 78.
- gourd, symbolism of 45: 576, 578.
- in Menomini ceremony 14: 81.
- leaf strand 38: § 621.
- made of hoofs 46: 619.
- manufacture of 42: 521 *sq.*
- mention of 35: 720, 723, 850, 868, 910, 1186.
- mystic origin of 14: 93.
- of the Dog soldiers 14: 987.
- origin of 30: 246, 331, 336, 337 *sq.*
- shell, from Pueblo ruins, figure showing 22, i: 91.
- songs of 45: 576–586, 710.
- spirits compelled by 30: 43, 55, 149, 163 *sq.*, 231, 246.
- stones for 30: 330.
- symbolism of 39: 115; 45: 710.
- taboo to common people 30: 330, 331.
- toy 38: § 620.
- turtleshell, appearance of, in pictures of Hopi kateinas 21: 82.
- use of 30: 347, 350.
- use of, by Arapaho warriors 14: 988.
- use of, in Flute ceremony 21: 30.
- use of, in Hopi festivals 21: 37.
- use of, in Pamûrti 21: 27.
- warnings given by 30: 222.
- See also Rattles.*
- Rattle Songs**, group of 45: 576–586, 710.
- Rattle, Symbolic**, songs of 39: 114–120.
- Rattle Wi'-gi-e** 39: 115 *sqq.*

Rattles

- basketry 41: 208.
- basketry, terms for 41: 397.
- ceremonial 47: 319, 335.
- ceremonial preparation of 40: 40.
- collection of Indian 3: 589.
- description of 27: 372.
- for decoying seals 9: 254.
- gourd, in Tusayan ceremony 15: 282, 283, 286, 287.
- gourd, plate representing 22, ii: 46.
- gourd, use of 41: 62.
- gourd, use of, by southern Indians 20: 34.
- in feast, Hoⁿ'hewachi 27: 500.
- in He'dewachi 27: 256.
- in Oraibi Antelope dance 16: 292.
- in Tusayan ceremony 16: 281, 282.
- in Wa'wa ceremony 27: 377.
- Katcina 47: 872.
- of ancient Chiriqui 6: 156, 157.
- of antelope hoof 16: 294.
- of deer bones 15: 285.
- of deer hoofs 37: 343.
- of gourds 37: 340, 343.
- of the Hopi 15: 263.
- of the Omaha 3: 278; 13: 281.
- of the Tlingit 3: 111.
- pottery, occurrence of, Middle Mississippi Valley 20: 83.
- shell, Guiana Indian 38: § 892.
- symbolism of 22, ii: 22, 47.
- turtleshell, in Tusayan ceremony 15: 281, 283, 287, 296.
- use of, by Shell society 27: 520.
- use of, in dances 44: 257.
- use of, in Mexico and Central South America 20: 35.
- use of, in Snake dance 16: 288, 294.
- use of pottery vases as 20: 35.
- See also Rattle.*
- Rattlesnake**
- a life symbol 36: 104.
- among the Pima* 26:
- diseases caused by 264.
- in mythology 206, 215 *sq.*, 248.
- in popular thought 264.
- in selection of medicine-men 257.
- in song 309 *sq.*
- appearance of, in pictures of Hopi kateinas 21: 107.
- at Casa Grande 28: 34.
- belief concerning 42: 490

Rattlesnake—Continued

- bite of, how treated 30: 53, 58, 61, 63.
 carving of the 2: 147.
 cure for bite of 46: 425 *sq.*
 guarding pathway to magic chestnuts 32: 505.
 myths and lore concerning 11: 44, 156, 479; 19: 253, 295 *sq.*, 305 *sq.*, 313, 436, 456, 463.
 reference to 27: 213.
 representations of 20:
 Gulf Coast pottery 107.
 Middle Mississippi Valley pottery 91.
 South Appalachian pottery 138.
 story about 43: 395.
 taboo against killing 42: 169.
- Rattlesnake Fern**, use of 44: 288, 352.
- Rattlesnake Fraternity**
 medicine of 30: 61.
 mention of 23: 528.
- Rattlesnake Head.** *See* Kâemâ-â.
- Rattlesnake Plantain**
 medicinal use of 43: 265.
 use of 45: 492.
- Rattlesnake Rock**, Mojave desert, California 10: 61.
- Rattlesnake Root**, use of 44: 291, 360.
- Rattlesnake Tanks**, ruins at 17: 532.
- Rattling-Gourd**
 on Natchez among Cherokee 19: 387.
 on Yuchi among Cherokee 19: 385.
- Ratzel, Prof. F.** 46: 333, 339, 371.
- Rau, Dr. Charles**
 cited 1: 221; 4: 93, 367; 12: 504, 680, 681, 682, 705, 711; 46: 173.
 cited as to Palenque Tablet 3: 63.
 description of gold ornament by 2: 285.
 description of shell gorget by 2: 289.
 description of shell vessel by 2: 196.
 description of shell weapon by 2: 210.
 observation on lapidary sculptures by 3: xiv.
 on classification of perforated plates 2: 266.

Rau, Dr. Charles—Continued

- on cut of stone disk 2: 278.
 on Eskimo bird darts 9: 214.
 on Eskimo knives 9: 164, 165.
 on Palenque Tablet 19: 733.
 reference to restoration of Tablet of the Sun by 19: 739.
 steatite quarry visited by 15: 117.
 vase of which engraving was published by 20: 137.
 work of, on Alaska 46: 32.
- Raub, John**, information furnished by 24: 155, 249, 299, 717, 741, 772.
- Raven**
among the Pima 26:
 in mythology 228, 240, 249, 344, 366.
 in song 338.
among the Tlingit 26:
 crest animal 416, 423.
 custom concerning 454, 458.
 Haida and Tlingit names for 476.
 house group name 400, 401, 403, 404.
 in mythology 416, 452, 454.
 name of charm 453.
 name of gaming stick 444.
 source of personal name 405, 407, 421, 422.
 superstition concerning 448.
 as doorway of house 35: 1119.
 carving of 35: 820, 856.
 cries of, as signs 35: 606.
 has no intestines 31: 471.
 held to be impure 42: 496.
 in Zuñi mythology 13: 384, 438.
 legends, Eskimo 18: 425, 427, 452-467, 483 *sqq.*, 514 *sq.*
 mythic origin of 11: 262.
 myths concerning 19: 241, 283.
 Nootka belief concerning 31: 892.
 representations of, Iroquoian pipes 20: 174.
 sacred regard for 14: 982.
 totem, Eskimo 18: 426.
 why has no intestines now 31: 94 *sqq.*, 470.
- Raven, The**, pursuit of Shawano by 19: 374 *sq.*
- Raven-at-the-Head-of-Nass**, Tlingit supreme deity 26: 417, 434, 451, 454.
- Raven Clan**
 a Cherokee clan 42: 118.

Raven Clan—Continued

Adair authority for 42: 119.

native name for 42: 116.

Raven Dance, Kwakiutl 35: 1374.**Raven Mocker**, myths concerning
19: 283, 401 *sqq.*, 504**Raven Phratry***of the Tlingit* 26:clans of 398 *sqq.*

crests of 415-420.

history of 407-414.

medicine of 446.

mention of 398.

personal names 422.

procedure at potlatches in 435.

Raven Place, purchase of 19: 161.**Rawhide**

articles of 45: 327.

Eskimo ceremonial objects of 18:
410, 416.Eskimo house fittings made of 18:
244.

Eskimo houses built of 18: 258.

Eskimo implements made of 18:
79-85, 86, 90, 92-100, 109, 113,
119, 122, 124, 126, 127, 131, 133,
136, 137, 139, 140, 142, 143, 145,
149, 157, 162 *sqq.*, 168, 171, 175,
176, 180, 181 185, 186, 189, 193,
*sqq.*Eskimo manufactures from 18:
205.Eskimo musical instruments made of
18: 350, 351.

Eskimo ornaments made of 18: 62.

Eskimo tobacco implements made of
18: 273-277, 280 *sqq.*Eskimo toys made of 18: 346 *sq.*Eskimo transportation apparatus
made of 18: 206, 208 *sqq.*, 213
sqq., 217, 219.parflèches made of 45: 50 *sq.*, 221.thong used in Pueblo construction to
fasten lock 8: 186, 187, 214.**Rawhide Dance**, description of 17:
312.**Ray, J.** 46: 233.**Ray, Joseph**, mention of 43: 229.**Ray, Lieut. P. H.**cited 46: 169, 173, 222, 228, 230,
331, 333, 343.commander of Point Barrow expedi-
tion 9: 19.**Ray, Lieut. P. H.**—Continueddescription of Eskimo dance by 9:
374.description of Eskimo house, *ku'dyigi*,
by 9: 80.description of pits for trapping rein-
deer by 9: 268.ethnologic specimens collected by
18: 81 *sq.*, 224.

material collected by 24: 738.

on archery, Western Eskimo 24:
386 *sq.*

on Eskimo diet 9: 64.

on Eskimo ghosts 9: 432.

on Eskimo property marks 9: 428.

on Eskimo taboo 9: 434.

on stick game, Ataakut 24: 233.

on stick game, Hupa 24: 236.

works consulted 9: 24.

Ray, Thomas, work of 28: 37.**Ray**, the sun's first, strengthening
power of 22, ii: 58, 134, 325.**Raye, John**

a Peyote leader 37: 389, 418.

account by, of Peyote cult 37:
389-394.

acknowledgment to 37: 48.

conflict of, with Hensley 37: 421 *sq.*

conversion of 37: 394.

Raymond, C. W. 46: 128.**Razbinsky**ceremonial objects from 18: 412,
415 *sq.*

clothing from 18: 43.

description of 18: 247 *sq.*graveyard and grave boxes at 18:
316.implements from 18: 107, 108, 152,
157, 159, 160, 162, 192, 194.

mortuary customs at 18: 316.

mortuary festival at 18: 20, 366-
378.tobacco implement from 18: 272,
275.

toys from 18: 343.

transportation apparatus from 18:
210.

visit of E. W. Nelson to 18: 20.

Razer, Mrs.—

dyes made by 44: 371.

felling of birch tree by 44: 286.

Razor-back, Gila fish 26: 83.**Read**, —, acknowledgment to 25: 99.

- Read, B. M.**, on Albuquerque 29: 530.
- Read, M. C.**, on early Indian use of tubes 13: 127.
- Read, M. O.**, on mounds near Chattanooga 5: 77, 78.
- Reading**, myth concerning 19: 351.
- Reagan, Albert B.**
linguistic work of 29: 23.
on dice games, Apache 24: 88 sq.
on hoop and pole, White Mountain Apache 24: 454 sqq.
- Reagan, J. P.**, work of 30: 10.
- Real Dogs**, a Kiowa warrior order 14: 989.
- "Real Ravens."** See *Luqā'xadī*.
- Reamers**
flint bladed, of the Eskimo 9: 181 sq.
sandstone 44: 101.
- Ream's Village**
cession of reserve at 18: 764.
reservation at 18: 698.
- Reason** for cairn burial 1: 143.
- Reaume, Judge** —, on Menomini inter-marriage 14: 35.
- Rebellion**
of the Pueblos 9: 555.
See also *Civil War; Revolt*.
- Recall**, power of 42: 305.
- Recent**. See *Modern*.
- Reception Ceremony** at Tusayan 15: 301, 302.
- Recesses** in Navaho houses 17: 493, 514.
- Rechahecrian**. See *Rickahockan*.
- Reche, O.** 46: 371.
- Rechehecrian**. See *Rickahockan*.
- Recipes**, Kwakiutl 35: 305-601.
- Records**
aboriginal, discussion of 17: 141, 142.
absence of use of pottery for, by American aborigines 20: 25.
of expedition, battle, migration and other notable events 10: 552-570.
of methods of manufacture, Eastern United States pottery 20: 48 sq.
of pottery making in Florida peninsula 20: 115.
See also *Mnemonic Records*.
- Rectangle**
as an element in design 41: 250 sq.
interpretation of 41: 321 sqq.
95719°—33—55
- Rectangle-base Baskets**
flat 38: § 428-447.
gabled 38: § 427.
hipped 38: § 425.
- Rectangular**
forms, developed from circular in architecture 4: 475,
kivas, antiquity of 8: 116.
rooms, how developed 8: 226.
shapes, designs on 41: 229.
shelters, houses 38: § 309-312.
shelters, mention of 38: § 293.
type of architecture 8: 72.
- Rectilinear Incisions** in primitive trephining 16: 55.
- Rector, General** —, survey by 18: 721.
- Rector, T.**, survey by 18: 691.
- Rector, William**, survey of Cherokee line in Arkansas by 5: 222.
- Red**
a war color 42: 37.
and black ware from Pueblo ruins 22, i: 60.
and brown ware from Pueblo ruins, reference to 22, i: 58 sq.
as a sacred color 14: 1037.
black and white ware from Pueblo ruins, reference to 22, i: 60 sq.
paint, use of, by Indians 19: 455.
pigment, mention of 38: § 28.
pigment, prophylactic 38: § 513.
Serian and Yuman words meaning 17: 334* sq.
symbolism of, in Hako ceremony 22, ii: 20, 23, 38.
- Red Ants**. See *Red People*.
- Red Bear**, reservation for 18: 828.
- Red Bear**, Eskimo legend of 18: 467-471, 485 sq.
- Red Betty** 33: 129.
- Red Brush** 33: 108.
- Red Buffalo**, song composed by 14: 1083.
- Red Cedar**
use of 45: 500.
See also *Cedar*.
- Red Cedar River**, wild rice in 19: 1034.
- Red Clans**
and Red towns, association between 42: 249.
See also *Tciloki Clans*.
- Red Clay**, council at 19: 121, 122.

Red Cloud

- a Dakota chief 15: 190.
- adherent of Messiah doctrine 14: 848.
- an Oglala chief 14: 845, 1058.
- confidence in, by agent 14: 832.
- declaration of, for Ghost dance doctrine 14: 821.
- Ghost dance council held by 14: 820.
- operation of, in Sioux outbreak 14: 881.
- opposition of, to land cession 14: 845.
- portrait of 14: 846; 34: 28.
- responsibility of, for Sioux outbreak 14: 852.
- surrender of band of 14: 882.
- thwarted by McGillicuddy 14: 845.

Red Cloud, Jack, conduct of, in Sioux outbreak 14: 884.

Red Cloud's Census

- description and history of 10: 445 sqq.
- mention of 4: 169, 176-181.
- pictographs from 10: 390 sq., 421 sqq., 463 sqq., 486, 494, 534 sqq., 585-598, 639 sqq., 652, 653, 657.

Red Corn Clan, size of 47: 35.

Red Dyes

- source of 30: 80.
- talisman from 30: 290.

Red-Eagle, a Kalispel chief 45: 377, 378.

Red Eagle Gens

- chief chosen from 39: 318.
- mention of 36: 124-127.
- office of 39: 318.
- See also* Tsi'-zhu Wa-shta-ge Gens.

Red Earth, purchase of 19: 161.

Red Elm 33: 76.

Red Feather, name of Paul Boynton 14: 971.

Red-Food

- death of 17: 205.
- surrender of 17: 211.

Red Fox Clan, story of 44: 201 sq.

Red Haw 33: 87.

Red Hawk, portrait made of 34: 28.

Red Hoop. *See* Cangleska Luta.

Red Horn, offerings to 37: 441.

Red Horse Fish, myth concerning 19: 285.

Red Horse Petroglyph, England 10: 173.

Red Knives, allusion to 15: 84.

Red Lake, Minn.

- birch-bark record obtained at 10: XIII, 252.
- Midē chart described 7: 165.

Red Lake Chippewa land cessions and reservations 18: 828, 934, 944.

Red Lake Reservation, designs from 4: 187.

Red Lake River, treaty of 18: 828.

Red Lobelia 33: 129.

Red Lodges, a Cheyenne division 14: 1026.

Red Man, myths concerning 19: 257, 300 sq., 461, 462.

Red Oak 33: 75.

Red Oak Tree in mythological story 36: 281.

Red Otter. *See* Ápeñ-gúădel.

Red Paint, Muskogee clan 42: 119.

Red People, Pima gentes 26: 197.

Red Pipestone Quarry, reservation of use of 18: 820.

Red River

- abundance of pottery along 20: 23.
- Houma Indians on 42: 687.
- identification of, with Zuñi river 14: 482.

Indian remains on 42: 810.

of Chekilli legend 42: 38.

physical type of tribes on 42: 677.

possible southern limit of Coronado's route across plains 14: 399.

pottery found on 20: 103.

Red River of the North

- pottery of valley of 20: 187, 194.
- system of, wild rice in 19: 1035.

Red River Valley

- explorations in 44: 405-434.
- mound of 12: 35.
- trail through 42: 823, 829.

Red Rock

- county, researches in 16: LIX, LXIX.
- Kwahadk'-Apache fight near 26: 53 sq.

Red Rocks, cliff houses of the 17: 548 sq.; 28: 151, 194-197.

Red Root

- in Cherokee lore 19: 263.
- mention of 33: 102.

Red Root Indian, a branch of the Canoe Indians 46: 430 *sq.*

Red Shell, *Spondylus princeps*, description of 23: 243.

Red Shoe

- an influential chief 42: 323.
- See also* Red Shoes.

Red Shoes

- chief of Alabama and Koasati 42: 322, 323.
- name of, analyzed by Adair 42: 98.
- oration on 42: 314.
- trader killed by 42: 446.

Red Skunk House Group, story of 44: 208 *sq.*

Red-Sleeve, death of 17: 286.

Red-Star, a sky deity 43: 74.

Red-Sticks, rebellion of 19: 113 *sq.*

Red Tail

- in the Ghost dance 14: 1085.
- See also* To'ngyā-gu'adal.

Red Tomahawk

- a Sioux policeman 14: 856.
- portrait of 14: 856.
- Sitting Bull shot by 14: 857.

Red Towns

- clans, phratries and moieties of 42: 159 *sq.*, 161.
- devoted to prosecution of war 42: 249.
- list of 42: 255.
- of the Lower Creeks 42: 126.
- of the Seminole 42: 126 *sq.*
- of the Upper Creeks 42: 124.
- relation of, to Teiloki clans 42: 192-197.

Red Ware from Pueblo ruins, character of 22, i: 180.

Red Weed 33: 78.

Red Willow, Nebr., fragments of pottery from 34: 30.

Red Wolf, delegate to Wovoka 14: 900.

Redbird

- in Menomini myth 14: 235.
- myths concerning 19: 254, 285, 289 *sq.*, 455.

Redbud, medicinal use of 42: 665.

Redding, —, on California Indian stone flaking 13: 141, 172.

Redeagle, George, on Kwapa gentes 15: 230.

Redengo, a Yuma game 24: 526.

Redeposition of human remains on the Yukon 46: 68.

Redfish, a life symbol 36: 99.

Redline Group of Chiriquian pottery 6: 109 *sqq.*

Redwood. *See* Hoopa Valley Reserve; Round Valley Reserve.

Ree Indians

- derivation of 4: 100.
- mention of 4: 101, 102, 103, 104, 106, 111, 116, 126, 127, 131, 132, 133, 137.

See also Arikara.

Reed, —, aid given Dr. J. W. Fewkes by 22, i: 39.

Reed, Lieut. H. T., on Dakota time chart Winter Count 4: 89 *sq.*, 93.

Reed Clan. *See* Pakab Clan.

Reeds

- game of, Hurons 24: 107 *sq.*
- in basketry 26: 134.
- musical instruments 38: § 570.
- or rushes, superstitious uses of 9: 527 *sq.*
- sacred, for Navaho ceremonial, preparation of 8: 242, 243.
- time for cutting 41: 150.
- use of 44: 291, 378; 45: 497, 499, 516.
- use of, for kiva lathing 8: 126.
- use of, for matting 13: 18.
- use of, in basketry 41: 145, 146.
- use of, in ornamentation, Eastern United States pottery 20: 66.
- use of, in ornamentation, North-western pottery 20: 193.

Reels

- for making nets, Eskimo 18: 193.
- for making sinew thread 18: 111.

Reference, Works of, key to 30: 113-116.

References, Index, key to 48: 31 *sq.*

Refuge Towns. *See* Peace Towns.

Refugees among the Omaha, rights of 3: 268.

Refuse Heaps

- Casa Grande 28: 92, 111.
- definition of 12: 31.
- mention of 46: 172, 183.

Regan, Michael, killed at Wounded Knee 14: 872.

Regeneration

- in Ghost dance doctrine 14: 785, 796.
- Indian belief in 14: 818.
- of the earth 14: 959, 1030, 1054, 1073.
- power of, attributed to Wovoka 14: 821.
- ridicule of idea of, by southern Ute 14: 806.

Regimentation

- discussion of 20: LXXXIX-XCI.
- memoir on, by J. W. Powell 15: CIV.

Reginald, a Menomini genealogy of

14: 49.

Regional Divisions

- in tribal society 15: CXVII, CXVIII.
- See also* **Cardinal Points; Directions.**

Regulative Industries of the Omaha

3: 356-363.

Rehearsal of Songs

39: 68 sq.

Reichard, D. L., collection secured by

42: 18.

Reichard, Dr. Gladys A.

- assistance rendered by 45: 26, 27, 153.
- reference to 41: 387.

Reichel, E. H., on Cherokee missions

19: 84.

Reid, E. D., fish bones studied by

44: 135.

Reid, Henry, acknowledgment to

14: 665.

Reid, Jesse, East Cherokee chief

19: 180.

Reincarnation

- belief in 37: 314 sqq., 426; 42: 710.
- Cherokee doctrine of 19: 261 sq., 472, 474.
- See also* **Soul.**

Reindeer

- camps, Norton Sound 46: 80.
- camps, Point Hope 46: 101.
- Eskimo method of hunting and trapping 9: 264-268; 18: 118 sqq., 122.
- fawn skin, value of, among Eskimo 18: 232.
- hair thread, Eskimo ceremonial objects made of 18: 419.
- hunting of 11: 276, 313.

Reindeer—Continued

- in Alaska, extermination of 18: 24, 118, 119, 229.
- meat of 46: 80, 81, 92, 116.
- mention of 46: 111.
- myths concerning 11: 200.
- skin of 18:
 - ceremonial objects made of 396, 398, 404, 415-419.
 - Eskimo clothing made of 30-41.
 - Eskimo houses built of 258.
 - Eskimo implements made of 104, 105.
 - Eskimo method of making cord from 110.
 - Eskimo method of tanning 117.
 - Eskimo musical instruments made of 350.
 - Eskimo tobacco implements made of 285.
 - Eskimo transportation apparatus made of 217.
 - value of, among Eskimo 229, 232.
 - uses of 11: 276.
 - See also* **Deer.**

Reinecky, F. T., killed at Wounded Knee

14: 872.

Reinhardt, —, on Spanish mines

19: 202.

Reinoso, Alvaro, on Haitian agriculture

25: 51.

Reiss and Stübel, Peruvian cuts of,

cited 3: 84.

Reithrodontomys sp. (?), finding of,

in Pimería 26: 80.

Rejection, signs for

1: 298, 299.

Rejects

- confusion of, with implements 15: 80.
- distribution of 15: 137, 138, 142.
- number of, in Piny Branch quarry 15: 57.
- of quarry shops 15: 55, 57, 147.

Rejuvenation, legends concerning

30: 149 sq., 151.

Relations

- between sexes, among the Pima 26: 182.
- governmental, with Indians, discussion of 46: 470-474.
- See also* **Intertribal Relations.**

Relations des Jésuites

- on Dakota use of wild rice 19: 1046.

Relations des Jésuites—Continued

- on duck at Green Bay 19: 1099.
- on Indian population in wild rice district 19: 1107.
- on location of Potawatomi 19: 1053.
- on location of Winnebago 19: 1052.
- on Maskotin eating wild rice 19: 1085.
- on Ottawa gathering wild rice 19: 1063.
- on Ottawa storing wild rice in birch-bark boxes 19: 1072.
- on Ottawa thrashing wild rice 19: 1068.
- on Ottawa tying wild rice 19: 1059.
- on popular synonym for wild rice 19: 1023.

Relationship

- among the Menomini 14: 43.
- among the Pima 26: 19, 23 *sq.*, 144, 164.
- discussion of terms of 42: 87 *sq.*, 96 *sq.*
- family and marital 38: § 877–880.
- joking, Creek 42: 168.
- joking, Winnebago 37: 133 *sq.*
- linguistic, of the Cherokee 19: 16.
- supplementary terms of 42: 84, 93.
- tables of 42: 85 *sq.*, 89 *sq.*, 94 *sq.*
- terms of 27: 313–318; 37: 128–131.
- terms of, among the Tlingit and Haida 26: 424 *sq.*
- terms of, among the Tsimshian 31: 489 *sq.*
- terms of, applied to tribes 42: 96.
- terms of, Tsimshian, compared with Tlingit and Haida 31: 490 *sq.*
- terms of, used by men 42: 80–83, 91 *sq.*
- terms of, used by women 42: 83, 84, 93.
- Tsimshian, compared with Kwakiutl 31: 492 *sq.*
- See also* Clans; Joking Relationship; Kinship; Terms of Relationship.

Relative Mode, Delaware 28: 279.**Release, Arrow** 14: 280; 38: § 145.**Relics**

- frauds in 4: 247–253.

Relics—Continued

- from Burton Mound, reburial of 44: 63, 70.
- of the dead, Eskimo disposal of 18: 311.

Relief, development of 19: LXXV.**Relief Ornaments** 4: 271, 282, 374.**Relieved Decoration**

- Appalachee-Ohio pottery 20: 180 *sq.*
- Eastern United States pottery 20: 52, 65, 66.
- Florida Peninsula pottery 20: 118, 124.
- Gulf Coast pottery 20: 106, 107, 108.
- Gulf Coast pottery, relation of, to engraved designs 20: 114.
- Iroquoian pipes 20: 173.
- Iroquoian pottery 20: 162 *sq.*, 171 *sq.*
- Middle Mississippi Valley pottery 20: 85 *sq.*, 88, 89.
- Ohio Valley pottery 20: 184 *sq.*
- South Appalachian pottery 20: 141, 144.
- See also* Fillets; Forms; Handles; Life Forms; Modeling; Nodes; Ridges.

Religion

- acculturation in 19: XXIII.
- and ethics 27:
 - affected by advent of traders 614 *sq.*
 - conception of cosmic order 134 *sq.*
 - conception of life 357 *sq.*
 - interrelation of men and animals 599 *sq.*
 - keeper 595.
 - position of chiefs 601 *sq.*
 - proverbs 604.
 - relation to warfare 402 *sq.*
 - religion and political unity 196, 199 *sq.*
 - terms for bad traits and bad conduct 614 *sq.*
 - terms for good traits and good conduct 603.
 - totems 602.
 - veneration for the ancients 601.
 - We'wacpe 596 *sq.*
- development of 20: CXXXIII–CXXXVII.

Religion—Continued

- discussion of attempted change in 46: 468 sq.
- elements of, in gentile tribes 20: cix.
- ethnic or primitive 32: 57.
- indirectly affected by United States government 47: 58.
- influence of, on development of arts 19: LXXIV-LXXXVI.
- influence of, on development of romance 19: LXXXI-LXXXVI.
- influence of, on pottery 20: 62, 64.
- native, attitude of missionaries toward 42: 678.
- no persecution for 30: 328.
- of the ancients, reference to 28: 47, 48, 116, 117, 118.
- of the Cherokee, character of 7: 319.
- of the Cherokee, gods of 7: 340 sqq.
- of the Coeur d'Alène 45: 176-197.
- of the Eskimo 18: 421-450.
- of the Eskimo, difficulty of gaining information concerning 9: 430.
- of the Eskimo, manner of driving away evil spirits 9: 432 sq.
- of the Eskimo, rôle of the wizard or shamans in 9: 430 sq.
- of the Eskimo, sacrifice to supernatural beings 9: 433.
- of the Eskimo, seal and walrus heads, superstitions concerning 9: 434.
- of the Eskimo, *tuaña*, or demons of 9: 421-434.
- of the Flathead 45: 383.
- of the Iroquois 2: 112, 116.
- of the Kiowa 17: 237.
- of the Okanagon 45: 289-293.
- of the Omaha 1: 363.
- of the Pima, deities of 26: 250 sqq.
- of the Pima, dreams in 26: 253 sq.
- of the Pima, sacred places in 26: 254 sqq.
- of the Pima, soul in 26: 252 sq.
- of the Plains Indians 14: 578.
- of the Pueblo Indians 14: 573.
- of the Potawatomi 14: 207.
- of the Seri 17: 86 sq., 92, 101, 102.
- of the Southeast 42: 2.
- of the Tachus 14: 513.
- of the Tiguex Indians 14: 575.
- of the Tsimshian 31: 543-546.

Religion—Continued

- of the Upper Missouri Indians 46: 481 sqq., 486-493, 594.
- of the Winnebago 37: 277-316.
- origin of 1: 37, 38.
- pictographs concerning 10: 461-527.
- pictographs concerning, general discussion and classification 10: 461-527.
- primitive 11: XLV, 9, 193, 520.
- primitive, persistence of 11: 13, 179.
- respository for articles connected with 42: 184.
- sanctuary dedicated to 42: 184.
- smoking in 20: 44.
- special definition of 11: 368.
- study of comparative 14: LX.
- value of pottery in study of 20: 19.
- Zuñi, how affected by Spanish intercourse 13: 333, 338.
- Zuñi, study of 13: xxx.
- See also Ceremonial Uses; Cosmology; Crime; Death; Deity; Ethics; Ghosts; God; Gods; Ideals; Idols; Magic; Mortuary Pottery; Mythology; Plumed Serpent; Soul; Spirits Wako^{nda}.*
- Religion Dance**
 - brought to Foxes by Wisconsin Potawatomi 40: 344, 356.
 - mortuary customs and beliefs appurtenant to 40: 356, 465-471.
- Religious Activities**, progress of research in 17: xxv sqq.
- Religious Beliefs**
 - classification of 14: LX.
 - of Acoma 47: 32.
 - of the Chickasaw 44: 247-255.
 - of the Creeks 42: 709 sq.
 - of the Hopi and Zuñi 15: 267.
 - of the Indians 15: ci.
 - of the Osage 41: 591.
 - of the Tennessee Indians 41: 531.
 - See also Philosophy; Religion.*
- Religious Ceremonies**
 - in connection with ball race, Zuñi 24: 674, 683 sq., 686 sqq., 689, 692, 694.
 - in connection with racket, Cherokee 24: 580-584.

- Religious Ceremonies**—Continued
 mention of 10: 505-517.
 offerings of cylinders, Hopi 24: 666.
See also Ceremonial Observances.
- Religious Concepts**, Zuñi 47: 483, 486 sq.
- Religious Dance** of the Okanagon 45: 292 sq.
- Religious Experiences** of the Winnebago 37: 291-309.
- Religious Ideas** of the Eskimo 6: 583-609.
- Religious Law** of the Omaha 3: 368.
- Religious Life**
 of the Zuñi 47: 480-544.
 of the Zuñi child 5: L-LIII, 533-555.
- Religious Masks**
 mention of 3: 75.
 rites related to 3: 120.
- Religious Paintings** of the Eskimo 18: 167.
- Religious Pictographs** 4: 188.
- Religious Practices**, attention paid to 45: 40.
- Religious Societies**
 at Walpi 19: 622-630.
 from Palatkwabi 19: 626-630.
 from Tokonabi 19: 624 sq.
 organization of 17: xxxiii.
- Religious Terms** of the Zuñi, explanation of 13: 374.
- Remains**
 Little Diomedes 46: 95.
 within Gordon area 41: 496.
 Yukon 46: 81, 140.
 Yukon, reassortment of 46: 68.
- Remarks, Final** 1: 203.
- Remarriage** among the Omaha 3: 258.
- Remedies**
 external use of 44: 330.
 of the Indian medicine-men 9: 471-474.
 substances used as 44: 330 sq.
See also Medicine.
- Remedios**, religious festivals at 26: 27.
- Remolinos** in Pimería, pains caused by 26: 265.
- Removal**
 Cherokee 19: 130-135.
 Cherokee plans for (1895) 19: 155 sq.
 East Cherokee plan for 19: 165.
- Removal**—Continued
 events leading to 19: 87, 98-106, 114-130.
 party feeling aroused by 19: 128 sq.
 stockade forts built during 19: 221.
See also Offices.
- Removal Fund**
 East Cherokee participation in 19: 165-168, 170 sq.
 employment of East Cherokee share in 19: 174.
- Removal of Bureau Quarters** 15: xxvii, xxxii, xxxvi.
- Removed Townhouses**, myth of 19: 335.
- Remy, J.**, on Kentucky revival 14: 943.
- Renahan, A.**, reference to 29: 295.
- Renato de Grosourdy** 25: 51.
- Renealmia.** *See Kuruwatti.*
- Reno, Nev.**, petroglyphs in 10: 95.
- Repair**
 of Casa Grande ruin, paper on 15: cii, 215-249.
 of houses infrequent in Tusayan 8: 73.
- Repairing of Baskets.** *See Mending.*
- Repertimientos** in ancient Porto Rico 25: 23 sq.
- Repetition**, table of Unalit numerals of 18: 239 sq.
- Replogle, C. S.** 46: 167.
- Report**
 distribution of 19: xxxii.
 of Chief of the Bureau 25: ix-xxix.
 of the Director 2: xv.
See also Administrative Report; Publications.
- Reports** by bureau collaborators 15: xx.
- Reptile Figures** on pottery 17: 658, 671-677.
- Reptiles**
 heads of, in pottery 34: 69, 76.
 idols in form of, Casa Grande 28: 121, 122.
 in captivity 38: § 725.
 representations of, Middle Mississippi Valley pottery 20: 85.
 representations of, significance of 20: 100.
See also Reptile Figures; Serpents; Snakes; Terrapin; Turtle.

Reptilian Form on bowl from Shumopovi, description and figure of 22, i: 114, 115.

Republican River, reference to 27: 94.

Republicanism as a form of government, development of 20: CXVIII-CXXIV.

Requisites and Implements 38: p. 273-399, Chapters XVIII, XIX.

Reredos

at Shipaulovi altar 19: 995.

of Cakwaleñya altar 19: 991 *sq.*

of Macileñya altar 19: 998.

Research as an agency of instruction 20: CXC VII.

Research Work

of the bureau 24: x, XI-XXVI; 25:

IX *sqq.*; 27: 7-11, and *passim.*

report on 30: 9, and *passim.*

Researches

ethnologic, summarized 28: 9-17.

in sign language, how made 1: 315.

of the bureau 29: 9-19; and *passim.*

special, by Dr. Franz Boas 32: 24.

special, by Miss Frances Densmore 32: 27.

special, by Dr. Leo J. Frachtenberg 32: 26.

systematic 32: 9.

Reservations

Indian, establishment of 18: 641.

Kansa 27: 66.

of Dakota Indians 15: 190.

of the Osage 36: 44.

Omaha, account of 27: 623, 624, 625, 629 *sq.*

Omaha, original allottees 27: 642-654.

Omaha, survey of 27: 634.

Ponca 27: 41.

Quapaw 27: 67.

Reservoir

at Acoma 47: 29.

at ruined pueblo on Little Colorado ruins, description of 22, i: 49.

site, as affecting selection of dwelling site 8: 51 *sq.*

structure connected with cliff village 16: 126.

Reservoirs

ancient traces of 13: 236, 237.

Casa Grande 28: 70, 111 *sqq.*

Reservoirs—Continued

depressionlike, in Verde Valley 13: 245.

for irrigation, used by Pueblo Indians, remains of 22, i: 178.

Gila-Salt region 28: 115.

Pueblo 8: 82 *sq.*, 91, 92, 97.

underground rock-hewn, at Santa Rita 19: 691 *sq.*

See also Reservoir.

Residence

change of 38: § 292.

See also Dwellings; House.

Residencia, definition of 14: 474.

Resin

as a medium for body painting 38: § 512.

mention of 38: § 23.

See also Protium.

Resources, Natural, of the Point Barrow region, Alaska 9: 55-61.

Respect for parents 38: § 911.

Respiration, Western Eskimo 46: 248, 249.

Respirators used by the Eskimo 18: 288.

Responsivity

ethnological principle of 21: XXVIII *sq.*

of mind and body 17: 268 *sq.*

Results sought in study of sign language 1: 346.

Résumé of survey of Yukon 46: 81.

Resurrection

absence of belief in 11: 421.

See also Regeneration.

Retaliation

among the Assiniboin 46: 452-455.

gradually given up 42: 344.

interference of, with legal punishments 42: 343.

principle of 42: 339, 340 *sqq.*, 345; 44: 216, 217.

See also Revenge; Vengeance.

Retio, José Maria, on Seri population 17: 87, 135*.

Retreat in warfare, attitude toward 46: 560.

Retreats

ceremonies of 47: 507.

group practice of 47: 504.

length of 47: 505.

object of 47: 515.

Retreats—Continued

- of the pekwin 47: 659.
- of the priesthood 47: 514, 643.
- of Zuñi medicine societies 47: 531.
- prayers during 47: 827-830.

Retrieving Harpoon of the Eskimo
9: 230 sq.

Return from hunting, Omaha 3: 300.

Return-from-Scout, vision of wife of
14: 916.

Return Katcina

of Tusayan 15: 268.

See also Ahül.

Return of the Bird, Songs of 39:
232.

Retzius, A. 46: 371.

Retzius, G. 46: 372.

Retzius, S. 46: 372.

Revais, Michel, mention of 45: 260,
294, 321, 323, 324, 331.

Reveillé, Nye County, Nev.

inscribed rocks in 10: 94.

pictographs at 4: 25.

Revenge

a dog's, Dakota fable 1: 587.

a sure, Iroquois tale 2: 104.

among the Eskimo 18: 292 sq., 296.

justification of 46: 481.

mention of 35: 1359-1362.

payment for 35: 1361.

See also Crime; Retaliation; Ven-
geance.

Revenue Cutters and science 46:
93.

Revera, Pedro de, on Seri conversion
17: 70, 71.

Revère, Mass., pottery from 20: 179.

Reverence

for ancestors 11: 371.

See also Respect.

Review of Turner's narrative 1: 165.

Revillagigedo Island, Tlingit tribes
on 26: 396.

Revolt

of Pueblo Indians 14: 392.

of Pueblo Indians in 1680 8: 23

See also Revolution.

Revolution

Cherokee remembrance of 19: 232.

effect on Cherokee of 19: 61.

Indian attitude during 19: 46 sq.

Menomini warriors in 14: 18.

Revolutionary Times, making of
pipes by the Iroquois in 20: 173.

Revolving Devices

mention of 20: 50.

See also Wheel.

Reward in future life 42: 513, 514.

Rey, Juan

account of 47: 355 sq.

story concerning 47: 267.

Reynolds, Elmer R.

acknowledgment to 15: 17.

soapstone quarries studied by 15:
116, 118.

steatite quarrying studied by 15:
107.

Reynolds, Henry L.

appointment of, as assistant 12:
19.

finding of European articles in mound
by 12: 714.

indebtedness to, acknowledgment of
12: 25.

lines at the Newark (Ohio) works
surveyed by 12: 466.

mound exploration in Georgia by
20: 137.

mound exploration in Georgia, report
on, by 12: 317.

on association of materials in Georgia
mound 20: 139.

pottery from Potomac Valley loaned
by 10: xxii.

researches of 11: xxv, xxxv.

work of 7: xvii; 8: xxiv; 9:
xxxviii; 10: xi, xxii.

Reynolds, John, cited 12: 629.

Reynoldsburg, Tenn., trail crossing
at 42: 853.

Rhamanaceae 33: 102.

Rhamnus Caroliniana, medicinal use
of 42: 667.

Rhamnus Purshiana, mention of
45: 473.

Rhea Springs, Tenn., mention of
42: 841.

Rhees, W. J., ancient quarry on land
of 15: 52.

Rheumatism

among the Pima 26: 264, 268.

Cherokee beliefs concerning 19:
251, 263.

how treated by the Zuñi 30: 50,
55, 62.

remedies used for 42: 655, 656,
657, 660, 661, 663.

- Rhinitis**, how treated by the Zuñi 30: 55.
- Rhode Island**
 aboriginal steatite quarrying in 15: 106, 107.
 character of ware of 20: 178.
 Indian policy of 18: 619-624.
 petroglyphs in 10: 113.
- Rhododendron Albiflorum** 45: 502.
- Rhomboid**, interpretation of 41: 326.
- Rhombus**
 description of 23: 115.
 use of, among Indians 9: 476-479.
See also Bullroarer.
- Rhubarb, Wild**, medicinal use of 43: 266.
- Rhus Copallina**, medicinal use of 42: 659.
- Rhus Glabra**
 medicinal constituents of 44: 304.
 medicinal properties of 44: 302.
 medicinal use of 42: 659.
 mention of 33: 99; 45: 502.
 use of 44: 292, 342, 344, 369.
- Rhus Glabra Occidentalis** 45: 466, 512.
- Rhus Hirta**, use of 44: 292, 344.
- Rhus Rydbergii** 45: 472.
- Rhus sp.** 45: 513.
- Rhyolite**
 aboriginal quarries of 15: 23.
 character of 15: 73, 84.
 development of implements from 15: 144.
 implements, discussion of 15: 88.
 quarries, discussion of 15: 73.
 source of, for implements 15: 140.
 use of, for drills 15: 85.
 use of, for flaking 15: 29.
 use of, for implement making 15: 125.
 use of, in aboriginal art 15: 24.
- Rhys-Davids, Prof. T. W.**, quotation from 15: CXVIII.
- Rhythm**
 in Indian music 27: 375
See also Music; Song.
- Riana**, a Kiowa synonym 17: 149.
- Ri-api-laha**, definition of 16: 262.
- Ribas, Father** — on southern Pima 28: 70 sq., 152.
- Ribas, Andrés Perez de**
 on cannibalism among Mexican Indians 17: 56.
 on Petlatlan 14: 515.
 on Seri 17: 56.
 on Seri population 17: 135*.
- Ribault, —**, reliance of narrative of 42: 679.
- Riberos, el Factor**, companion of Coronado 14: 477.
- Ribes**, use of 44: 292, 348.
- Ribes Americanum** 33: 84.
- Ribes Cereum** 45: 487.
- Ribes Glandulosum**, use of 44: 292, 307, 348, 358.
- Ribes Hudsonianum** 45: 471, 489, 509, 514, 515.
- Ribes Lacustre** 45: 469, 488.
- Ribes Sanguineum** 45: 487.
- Ribes Viscosissimum** 45: 489.
- Ribs**
 human, mention of 46: 159.
See also Fillets; Ridges.
- Rice, Jean B.**, a Caughnawaga chief 14: 24.
- Rice, Mary Ann**, mother of Eleazar Williams 14: 24.
- Rice, Col. Z. A.**, information furnished by 24: 669 sq.
- Rice**
 cleaned, chemical composition of 19: 1082.
 gathering of 37: 116.
 in Menomini mythology 14: 40.
 Indian, mention of 33: 67.
 mention of 38: § 245.
 occurrence of 30: 376.
 wild, extensive aboriginal use of 21: XIX, XX.
 wild, food value of 23: XXXI.
 wild, memoir on food value of 23: XIII.
 wild, mention of 3: 308; 33: 67.
 wild, use of 46: 584.
 wild, use of, by Menomini 14: 290.
See also Wild Rice.
- Rice Lake**
 cession of reserve at 18: 830.
 reservation at 18: 802, 846.
- Rich-Woman Dance** 35: 848, 850, 861, 1001, 1004, 1005, 1019.
- Rich-Woman Dancer**
 mention of 35: 1081, 1084.
 performance of 35: 1008 sq., 1009.

- Richard, Louis**, interpreter for Sioux delegation 14: 891.
- Richardson, A.** 46: 61.
- Richardson, Sir John**
cited 46: 128, 150, 215, 218, 219, 329, 330, 352, 372.
on destruction of wild rice by caterpillars 19: 1100.
on Eskimo burials 9: 426.
on Indian medicine-women 9: 469.
works consulted 9: 24.
- Richardson, W. P.** 46: 128.
- Richardson Trail** 46: 36.
- Richardville, J. B.**, grant of land to 18: 717, 752.
- Richelieu, Cardinal**, charter granted by 18: 546.
- Richland Creek**, trail following 42: 798 *sq.*
- Richmond, Lieutenant —**, murder of Cheyenne by 19: 209.
- Richmond, Charles W.**, acknowledgment to 36: 55.
- Richmond, Va.**, trail from 42: 761.
- Richmond Branch of Great Indian Warpath** 42: 761 *sqq.*
- Richmond County, Ga.**, intermingling of wares in mound in 20: 137.
- Rickahockan**
meaning of name 19: 183 *sq.*
See also Synonymy.
- Rickets** 46: 362.
- Ricklin, Rev. Isidore**, acknowledgment to 17: 147.
- Rickohockan Indians** of Virginia 7: 79.
- Riddles, Omaha** 3: 334.
- Riddling** 33: 326, 623, 641, 647, 652.
- Ride**, sign for 1: 551.
- Ridge, Maj. John**
attitude of party of, in Civil War 19: 148.
compensation to heirs of 5: 299.
conflict of party of, with Ross party 19: 147.
enlistment of volunteers against Creeks by (1812) 19: 89.
killing of 19: 133 *sqq.*
killing of Doublehead by 19: 85.
letter to Calhoun by 19: 115.
letter to President Jackson by 19: 127 *sq.*
murder of 5: 293
- Ridge, Maj. John—Continued**
opposition to Prophet's doctrine by 19: 88.
opposition to war spirit by (1812) 19: 89.
part taken by, in Creek War 19: 96, 97.
treaty negotiated by 19: 121 *sq.*, 125.
with Cherokee delegation at Washington 5: 278, 279.
- "Ridge" Party**
feuds of 5: 301, 302.
of Cherokee 5: 293.
payments to 5: 299.
- Ridge People**, a Cheyenne division 14: 1025.
- Ridge Treaty** rejected by the Cherokee 5: 280.
- Ridges**
decoration by 20:
Florida Peninsula pottery 118.
Gulf Coast pottery 108.
Iroquoian pottery 161, 162, 163.
Middle Mississippi Valley pottery 86, 88, 89.
Ohio Valley pottery 185.
of ruins 46: 172, 183.
- Ridgway, John L.**, acknowledgment to 20: 71.
- Ridicule** among the Creeks 42: 452.
- Riding**, Omaha method of 13: 280.
- Ried, Hugo**
on ball race, Tobikhar 24: 680.
on dice game, Tobikhar 24: 172.
on hand game, Tobikhar 24: 314 *sq.*
on hoop and pole, Tobikhar 24: 500.
- Riedell, Capt. C.**
Aleutian death mask given by 3: 142.
mask from Shumagin Island given by 3: 140.
- Riggs, —**, on Indian names 4: 97, 98, 109.
- Riggs, A. L.**
on Crow habitat 7: 114.
on Mdewaka^atoⁿwaⁿ gentes 15: 215, 216.
on meaning of Wagluqe 15: 219.
on rites of puberty 11: 483.
on symbolism 11: 531.
- Riggs, R. B.**, analyses by 6: 49.

Riggs, Rev. Stephen Return

- contributor to Bureau 48: 1189.
 Dakota dictionary by 3: xxv.
 editorial work on manuscript left by 10: XIX.
 linguistic manuscript by 14: XL.
 linguistic researches of 1: XVIII.
 mention of 2: XXI.
 obituary of 48: 1221.
 on Dakota soldier's lodge 15: 221.
 on Dakota terms 11: 366.
 on former Siouan habitat 15: 173.
 on hidden ball, Dakota 24: 365.
 on hoop and pole, Yankton Dakota 24: 509.
 on Indian beliefs 11: 375, 432, 439, 444, 446, 468, 480, 493, 528.
 on Indian bogies 11: 473.
 on Iya 11: 471.
 on Mdewakantowa^a gentes 15: 215.
 on meaning of Dakota words 19: 1061.
 on moon worship 11: 449.
 on Siouan dance 11: 443.
 on Siouan penates 11: 475.
 on Siouan totemic system 15: 221.
 on stick games, Dakota 24: 228 sq.
 on stone gods 11: 447.
 on terms in snow-snake, Dakota 24: 419.
 preparation of monograph by 15: XXII, XXV, XXX, XXXIV, LXIX.
 publication of dictionary by 11: XXXI.
 quoted 39: 186.
 reference to work of 11: 363.
 Salishan researches of 7: 104.
 Siouan languages studied by 15: 168.
Riggs Mills, quarry shops near 15: 70.
Right-handedness among primitive people 19: 458 sq.
Right of the First Night 25: 48.
Riitu atahu, Arawak black drink 38: § 257.
Riku Caterpillar, eaten 38: § 223.
Riley, J., reservation for 18: 671.
Rims
 Eastern United States pottery 20: 27, 61, 62.
 Florida Peninsula pottery 20: 118, 121, 126.

Rims—Continued

- Gulf Coast pottery 20: 107, 108, 111, 112, 113.
 Gulf Coast pottery, ornamentation of 20: 105.
 Iroquoian pottery 20: 160, 161, 166.
 Iroquoian pottery, ornamentation of 20: 162, 163, 172.
 Middle Atlantic Coast pottery 20: 149, 150, 151, 154, 156.
 Middle Mississippi Valley pottery 20: 88, 89.
 New Jersey-New England pottery 20: 168, 175, 176, 179.
 Northern pottery 20: 187.
 Northwestern pottery 20: 192, 196, 197, 198, 199, 200.
 Ohio Valley pottery 20: 185.
 Pamunkey pottery 20: 152.
 South Appalachian pottery 20: 131.
 South Appalachian pottery, ornamentation of 20: 136, 140.
See also **Decoration**; **Forms**; **Mouths**.
Rims of Baskets
 braided 41: 182 sqq.
 difference in construction of 41: 142.
 loopwork 41: 166, 184 sq.
 plain 41: 181 sq.
 shape of 41: 219.
 types of 41: 181.
Rincon Mountains, Apache-Pima fight in 26: 45.
Ring
 armlet 38: § 540.
 bracelet 38: § 541.
 finger 38: § 542.
 head 38: § 530.
 of chief broken 35: 1115.
 See also **Rings**.
Ring and Arrow, game of 24: 448.
Ring and Pin
 bone play 24: 538.
 cup and ball 24: 546, 547, 548.
 general description of 24: 527 sqq.
 matrimonial game 24: 537, 555.
 played by the 24:
 Arapaho 529 sq., 532.
 Assiniboin 544, 555 sq.
 Athapaskan stock 528.
 Cheyenne 529, 530-533.
 Chippewa 533 sqq.
 Clayoquot 528, 558 sq.
 Cree 528, 535 sq.

Ring and Pin—Continued

played by the 24—continued

Dakota, Brulé 556.

Dakota, Oglala 529, 556.

Dakota, Teton 557.

Delawares 537.

Eskimo 528, 529.

Eskimo, Central 544–547.

Eskimo, Ita 549.

Eskimo, Labrador 548.

Gros Ventres 537.

Haida 557 *sq.*

Hupa 528, 542 *sq.*

Hurons 549.

Kawchodinne 543.

Klamath 528, 550 *sq.*

Kwakiutl 528, 559.

Makah 528, 559 *sq.*

Micmac 528.

Missisauga 534, 538.

Mohave 528, 560.

Montagnais 538 *sq.*

Nascapsee 539 *sq.*

Nipissing 540.

Paiute 528, 529, 553 *sq.*

Passamaquoddy 528, 540 *sq.*

Penobscot 528, 529, 541 *sq.*

Pima 528, 551 *sq.*

Pomo 528, 550.

Sauk and Foxes 528, 542.

Shasta 554.

Slaveys 554.

Tewa 528, 558.

Thompson Indians 528, 552 *sq.*

Umatilla 528, 553.

Ute 554 *sq.*

Winnebago 528, 557.

Zuñi 560 *sq.*

spearing game 24: 550.

tossing play 24: 538.

Ring and Pole Game, Mohave 24: 524.

Ring Bases. *See* **Bases.**

Ring Coils, use of 41: 190.

Ring Game, description of 45: 131.

Ring Play, hoop and pole, Paiute 24: 499.

Ring-sling, Baby 38: § 484–500.

Ring Target, Pomo 24: 479.

Rings

appearance of, in decoration of Hopi kateinas 21: 83, 115.

finger, of shell, from Pueblo ruins in Arizona, discovery of 22, i: 91.

Rings—Continued

of cannibal dancer and his companions 35: 1242 *sq.*

stone, in Connell collection 34: 161 *sq.*

stone, in Dehesa collection 34: 169.

stone, in Guesde collection 34: 152.

stone, in Heye collection 34: 149.

See also **Ring; Stone Rings.**

Rink, Dr. Henrick Johan

acknowledgments to 6: 412; 9: 20.
cited 6: 411, 420, 580, 586, 587,
590, 591, 598, 599; 46: 329, 331,
333, 337, 339, 340, 341, 342, 344,
345, 346, 354, 372.

description of Eskimo *küdyŕgi* by 9: 80.

description of Eskimo snow-houses by 9: 81.

on Eskimo amulets 9: 435, 436, 437.

on Eskimo demonology 9: 431, 432.

on Eskimo fishing 9: 287.

on Eskimo food superstitions 9: 434.

on Eskimo kaiaks 9: 332.

on Eskimo myths 19: 441.

on Eskimo whale fishing 9: 274.

on Innuits 3: 121.

on population of Labrador Eskimo 7: 75.

on property customs of the Eskimo 9: 428, 429.

works consulted 9: 24, 25.

Rinsing of Mouth 35: 311, 312, 313, 314, 319, 321, 329, 331, 347, 351, 352, 356, 362, 364, 367, 486, 487, 504, 510, 566, 568, 593.

Rio Altar, reference to 28: 56.

Rio Bacuache, sketch of 17: 26 *sqq.*

Rio Bavispe, reference to 28: 56.

Rio Brazos. *See* **Brazos River.**

Rio Colorado. *See* **Colorado River.**

Rio de Chelly Valley 4: 316.

Rio de la Plata, misgoverned by Cabeza de Vaca 14: 348.

Rio del Norte, pictographs on the 4: 27.

Rio Dolores Valley 4: 316.

Rio Gila pottery 4: 281, 283, 299.

Rio Grande

disappearance of, underground 14: 511.

Rio Grande—Continued

- discovery of, by Alvarado 14: 575, 594.
- ice of, crossed by Spaniards 14: 503.
- limit of Narvaez territory 14: 346.
- pottery of 4: 298, 305.
- pueblos near 14: 519, 524.
- regions, caves of 28: 188.
- regions, derivation of pueblos of 28: 151.
- regions, early inhabitants of 28: 151, 218.
- regions, pottery of 28: 139, 140.
- regions, pueblos of 28: 219.
- visited by Spanish soldiers 14: 390.

Rio Grande Pueblo Indian, Tewa name for 29: 576.

Rio Grande Pueblos

- dress of tablita dancers of 21: 58.
- in Pima mythology 26: 229.
- introduction of Buffalo dance from 21: 43.
- introduction of Butterfly dance from 21: 119.
- migration of Asa and Honani clans from 21: 26.
- researches at 29: 11.
- valuable objects obtained from 23: 18.

Rio Mancos, Colo.

- cliff houses of the 4: 284 *sq.*
- petroglyphs on the 10: 73 *sq.*
- pottery of the 4: 281, 284 *sq.*

Rio Mimbres, researches in valley of 36: 10.

Rio Negro, Brazil, petroglyphs on the 10: 152.

Rio Pecos, pottery of the 4: 298, 305.

Rio San Juan, pottery of the 4: 315-321.

Rio San Pedro, reference to 28: 54.

Rio Santa Cruz, reference to 28: 54.

Rio Sonora, reference to 28: 54.

Rio Tularosa, ruined pueblos on 22, i: 180.

Rio Verde, rock etchings on the 4: 30.

Rio Virgen, pottery of the 4: 287-292, 307-315.

Ripley, Chickasaw old town near 44: 177.

Ripon, Wis., mounds near 5: 16.

Risely, Levi, mound on land of, New York 12: 511.

Rising Song 39: 76.

Rising to depart, song of 39: 236.

Risser, Miss Anna, cooperation of 46: 6.

Risty, A. G., excavations made by 41: 64.

Rita, José, mention of 47: 353.

Ritch, W. G.

on mica near Petaca 29: 158.

on New Mexican water mill 29: 85.

Ritchie, S. G. 46: 313.

Rite of the Chief

initiation into 36: 73 *sq.*

mention of 36: 47, 59; 39: 37.

significance of 36: 59.

Rite of Vigil, songs of 39: 275-280.

Rites

and ceremonials of Borinquenños 25: 64-72.

and methods of Tusayan kiva building 8: 118-137.

and rituals, Omaha 27:

general characters 194-198, 607, 609 *sq.*

introduction of child to cosmos 115 *sq.*

introduction of child into tribe 117-128.

efficacy of 47: 498.

many versions of 39: 37 *sq.*

mortuary 11: 485.

of house building at Tusayan 8: 100-104.

Osage, importance of, record of 45: 532.

puberty 11: 483.

sacred, reticence regarding 43: 29.

Sia theurgistic 11: 73.

tribal, Osage 36:

giving of gentile name 50.

mention of 47-51.

order of 152 *sq.*

religious character of 49.

seven ceremonial divisions of 152.

with songs attached 47: 282.

See also Ceremonies; Rituals;

names of rites and rituals, and under names of societies and tribes.

Rito de los Frijoles, chimney of, description of 8: 173.

Ritual

- child-naming, importance of 43: 31.
- of Smohalla religion 14: 725.

Rituals

- accompanied by songs 47: 494 sq.
- basic, of War-bundle feast 37: 430, 471-501, 505-529.
- curing, orientation of 47: 796.
- Hopi, growth of 19: 578.
- in texts by J. N. B. Hewitt 47: 7; 48: 12 sq.
- Isleta 47: 274-288.
- object of 47: 488 sq.
- of East Mesa 19: 631 sqq.
- of Hano 19: 632 sq.
- of Sichumovi 19: 632.
- of the Medicine dance 37: 365-370.
- of Walpi 19: 631 sq.
- property rights in 45: 694.
- secrecy regarding 45: 536 sq.
- shooting 37: 370, 372.
- theme of 45: 681.
- Zuñi public, character of 47: 509.
- See also* Ceremonies; Dances; Rain Making; Ritual; Smoking Rituals; Wi'-gi-e.

Rival Chiefs

- invitation of 35: 437.
- mention of 35: 463, 773.

Rivalry

- among the Kwakiutl 35: 751, 768, 787.
- part played by, in sports and games 19: LXIV, LXVI, LXVIII sq.

River Cow. *See* Manati.**River Crow**

- executive order affecting 18: 902.
- Flathead name for 45: 302.
- name of, in sign language 45: 148.

River of the Mountain Men 46: 124.**River People**, application of the name 26: 20.**Rivera, Antonio Domingo**, reference to 29: 169.**Rivera, Manuel**

- on Cempoalan ruins 25: 233.
- on idol near Jalapa 25: 248.

Rivera, Pedro de

- on Isleta 29: 529.
- on Jemez 29: 402.
- on Manzano Mountains 29: 531.
- on San Felipe 29: 499.

Rivera, Pedro de—Continued

- on Sandia 29: 526.
- on Sandia Mountains 29: 514.
- on Santo Domingo 29: 449.
- on Taos 29: 182.

Rivera, Tapia y. *See* Tapia.**Rivers, —**

- on Cherokee-Chickasaw war 19: 38.
- on Cherokee in 1708 19: 32.

Rivers

- appeal for aid in crossing 39: 312, 315.
- as property of numayms 35: 1347.
- in Cherokee lore 19: 426.
- known to Omaha 27: 89-94.
- names of, influence of wild rice on 19: 1118-1124.
- origin of men from 30: 146.
- peculiarity in naming 29: 96.
- personification of 29: 102.
- reference to, in Ghost song 14: 1032.
- songs before crossing of 39: 218.
- spirits of 30: 241.

Rivers Inlet

- ceremony of Cannibal 35: 1176.
- mention of 35: 1202.
- Winter ceremonial of 35: 1167.

Riverton, Md., pottery of 20: 157.**Rivet, Dr. Paul** 46: 284.**Rixon, Mr. and Mrs. Theo. R.**, specimens donated by 38: p. 12.**Rizer, H. C.**

- map of Casa Grande reserve submitted by 15: 330.
- report by, on Casa Grande 15: 321, 328, 340-343.

Road Making

- a failure with the Pima 26: 65.
- ceremonial, of corn meal 47: 276.

Road-Runner

- in Pima legend 28: 47.
- in Pima mythology 26: 240.
- in Pima song 26: 305, 312.

Road Runner Clan, size of 47: 35.**Roads**

- landmarks 38: § 779-783.
- paved 33: 650.
- signs and signals 38: § 778.
- through Cherokee country 19: 85, 87, 97.

Roane County, Tenn., collection of relics from 3: 457-462.

- Roanoke**, long house at 42: 688.
- Roanoke Beads**
 mention of 42: 685.
 shell money of 42: 721 *sq.*
- Roanoke Province**, picture of pipe and tobacco pouch of historic tribes of 20: 158.
- Roanoke River**, explorers on 42: 683.
- Roanoke Settlements**, attack on 42: 769.
- Roanoke Trails** 42: 760, 761, 765, 777.
- Roarer**
 musical instrument 38: § 557.
See also **Bullroarer**; **Rhombus**.
- Roaring River**, trail down 42: 833.
- Roasting** on hot stones 35: 345.
- Roasting Tongs** 35: 241, 370, 371, 390, 398.
- Roasting Tray** 4: 484.
- Robb, James C.**, time chart of 4: 94.
- Robber's Roost Cave**, reference to 28: 196.
- Robbery**
 among the Indians 46: 476.
See also **Theft**.
- Robbins, Wilfred Williams**
 collaborator of the Bureau 34: 23, 26, 27.
 paper by 36: 30; 37: 28.
- Robe-spangled-with-Human-Eyes**, capture of 32: 80.
- Robe, The**, discussion of 27: 356-362.
- Robelin, La.**, mission at 42: 829.
- Roberts, Earle O.**
 collection purchased from 43: 18.
 skulls collected by 42: 19.
- Roberts, E. W.**, authorization of bulletins procured by 21: xxvi.
- Roberts, Dr. Frank H. H., jr.**
 appointment of 44: 19.
 archeological and skeletal material collected by 48: 20.
 material collected by 47: 14.
 mention of 47: 1.
 work of 44: 8 *sq.*; 45: 6-10; 46: 6 *sq.*; 47: 5 *sq.*; 48: 9-12.
- Roberts, Miss Helen H.**
 contributor to Bureau 48: 1189.
 music transcribed by 41: 40, 84.
 paper by 41: 119; 42: 17.
 songs transcribed by 43: 293, 294.
 work of 40: 12; 41: 131; 44: 6.
- Roberts, J.**, Arapaho sacred pipe seen by 14: 961.
- Roberts, Jacob L.**, Pima interpreter 26: 18.
- Roberts, James**, legend told by 43: 259.
- Roberts, Capt. John Kelly**, route of Chickamauga Path given by 42: 850.
- Robertson, Mrs. A. E. W.**, terms of relationship recorded by 42: 91.
- Robertson, Charles**, deed to, on the Watauga 5: 147.
- Robertson, Gen. James**
 agent of Tennessee with Cherokee 5: 179.
 appointment of, as Cherokee agent 19: 53.
 burning of Coldwater by 19: 67.
 commissioner of Cherokee treaty 5: 194.
 emigration under 19: 56.
 expedition against Chickamauga under (1794) 19: 78-99.
 killing of brother of 19: 67.
 life of 19: 204 *sq.*
 on Cherokee-American conflicts (1785-1794) 19: 67.
 on French and Spanish encouragement of Cherokee hostility 19: 62, 67.
 on Nancy Ward 19: 204.
 repulse of Indians by garrison under 19: 48.
 warning of invasions given by 19: 55.
- Robertson, R. S.**
 on salt-making vessels 20: 30 *sq.*
 on surface burial 1: 139.
- Robertson, Mrs. S. A.**, work of, among Creeks 19: 218.
- Robes**
 gift of, to the poor 22, ii: 256.
 of skin 45: 230 *sq.*
 woven, use of 45: 334.
See also **Dress**.
- Robin**
 Cherokee name for 19: 281.
 description of house of 31: 457.
 name of Tlingit gaming stick 26: 444.
- Robinia Nicou.** *See* **Haiari**.
- Robins, Thomas**, owner of Burton Mound 44: 57.

- Robin's Nest**, a fancy basket 41: 204.
- Robinson**, —, aid given Dr. J. W. Fewkes by 22, i: 39.
- Robinson**, *Lieutenant* —, scouts under in Sioux outbreak 14: 850.
- Robinson**, **Alfred**
on shinny, Santa Barbara 24: 628 sq.
visit of, to Santa Barbara 44: 55 sq.
- Robinson**, **A. W.**, material furnished by 24: 257.
- Robinson**, **Doane**, acknowledgment to 29: 12.
- Robinson**, *Rev. John*, Oglala gentes obtained by 15: 220.
- Robinson**, **Richard**, assistance rendered by 33: 46.
- Robinson**, **Thomas**
acknowledgment to 19: 13.
on dry channel of Chattahoochee 19: 200.
- Robinson**, *Sir W.*, mention of 34: 68.
- Robinson Episode**, history of 17: 117.
- Roblet**, *Surgeon* —, material furnished by 24: 262.
- Roca Foca**, features of 17: 49.
- Roche de Boeuf Ottawa** land cessions and reservations 18: 826, 842, 858.
- Roche Percé**, Souris River, Manitoba 10: 43.
- Rochefort**, —.
historical work of 25: 31, 68.
history of Antilles by 19: 202.
on the Carib 25: 218.
- Rochefort**, **C. de and Poincy**, **L. de**
cited 30: 153, 161, 163, 167, 177, 254, 259, 269, 272, 278, 280, 295, 296, 297, 303, 304, 306, 307, 320, 353, 369, 371.
on medicine-men 30: 351.
- Rock**
feet turned into 30: 194.
forming wall across country 32: 173, 271.
heaps of, significance of 30: 238.
man created from 30: 145, 222, 237 sq.
man transformed into 30: 152, 235, 237 sq.
- Rock**—Continued
markings on, description of certain 23: 444, 445.
pulverized, use of, as tempering material 20:
Eastern United States pottery 46, 47, 59, 60.
Iroquoian pottery 161.
Northern pottery 187.
Northwestern pottery 199.
stone or hill transformation 33: 302, 617, 637, 638, 639, 643, 652, 656, 658.
submerged, tests for 30: 220, 361.
superstitious use of 47: 125.
transformation into 35: 1147.
See also Materials; Quartz; Quartzite; Steatite.
- Rock Carvings**
mention of 4: 16, 20-33; 38: § 780, 781; 47: 131.
See also Rock Etchings; etc.
- Rock Creek**, Colo., petroglyphs on 10: 72.
- Rock Creek Valley**
ancient quarries in 15: 66.
geology of 15: 32.
- Rock Elm** 33: 75.
- Rock Etchings**
in Kanawha Valley 42: 756.
See also Petroglyphs.
- Rock Hill**, Calif., petroglyphs on 10: 52.
- Rock-Manikin.** *See Cock-of-the-Rock.*
- Rock Medicine**, use of 42: 658.
- Rock-oyster Shell**
beads of 44: 160, 161 sqq.
use of 44: 147.
- Rock Paintings**
explanation of 45: 283, 284, 285, 286, 287.
Indian superstition concerning 10: 466 sq.
making of 45: 283 sq.
mention of 4: 58; 38: § 782.
purpose of 45: 194.
See also Petroglyphs.
- Rock River Mounds and Village Site** 37: 99.
- Rock River Sauk** land cessions and reservations 18: 680.
- Rock Sculptures**, origin of 30: 136, 237, 242.

- Rock Shelters** on trails 42: 843 sq.
Rock Spiraea, use of 45: 497, 499.
Rock Spirits, propitiation of 30: 300.
Rock Village, purchase of reserve at 18: 766.
Rockcress, use of 45: 464.
Rockhill, *Hon. W. W.*
 acknowledgment to 17: 20.
 cited on flour throwing by Tibetans 9: 516.
 notice of Paul Vial's work by 10: 674.
Rocking Tools. *See* Roulette.
Rocks. *See* Rock.
Rockwall, Tex., sandstone formation at 37: 7.
Rockwell, —, on Williamson's expedition 19: 50.
Rocky Dell Creek, N. Mex.
 pictographs on 4: 33.
 rock paintings at 10: 96.
Rocky Mountain Bee Plant
 use of, for decorating pottery 30: 82.
 use of, in ceremonies 30: 96.
Rocky Mountain Maple, use of 45: 475, 499, 500.
Rocky Mountains
 in Pima tradition 27: 79.
 known to the Omaha 27: 102.
 name given to 42: 52, 53.
Roddy, T. R.
 material collected by 24: 189, 565, 615.
 on ring and pin, Winnebago 24: 557.
Rodman, Capt. N. D.
 on amount of wild rice harvested 19: 1077.
 on drowning wild rice 19: 1099.
 on Ojibwa tying wild rice 19: 1058.
 on winnowing wild rice 19: 1070.
Rodríguez, Fray Augustine, Acoma visited by 47: 25.
Rodríguez, B., cited 30: 256.
Rodríguez de Xeres, emissary of Columbus 25: 203.
Rodríguez Expedition, mention of 47: 203 sq.
Rodríguez-Ferrer, Miguel
 mention of 34: 247.
 paper read by 34: 246
Rodríguez-Ferrer, Miguel—Contd.
 specimen figured by 34: 245, 250.
 specimen found by 34: 181.
Rods
 fastening, used on Eskimo women's "housewives" 18: 105 sq.
 forked, used to deflect course of enemies 32: 659.
 painted, placed across path to indicate beyond which hunting party should not pass 32: 695.
Rodway, J., cited 30: 119, 282, 345.
Roe, Walter C.
 material collected by 24: 649.
 on double-ball implements, Cheyenne 24: 649.
Rogan, John P.
 appointment of, as assistant 12: 19.
 excavation of North Carolina mounds by 12: 334.
 exploration of Etowah mounds by 12: 302.
 explorations of 5: xx sq., xxii, 61, 71, 72, 97, 98, 104.
 field work of 6: xxvi, xxvii.
 survey of Etowah mound by 12: 298.
 work of 7: xvii, xviii; 8: xix.
 work of, in Florida 12: 327.
Rogel, expedition of 19: 201 sq.
Rogers, Charles, remarks by, on cup sculpture 10: 200.
Rogers, D. B.
 acknowledgment to 44: 32.
 assistance of 42: 9.
Rogers, Mrs. Gertrude L., work of 26: xxxi.
Rogers, James, deputed by Cherokee to treat 5: 212.
Rogers, Talahina, marriage of Houston to 19: 223.
Rogopa, definition of 16: 259.
Rogue River, treaty of 18: 796.
Rogue River Indian
 land cessions and reservations 18: 788.
 mention of the 7: 121.
 population of the 7: 56.
 researches among the 25: xvii.
See also Siletz Reserve.
Rojas, A., cited 30: 118, 137, 260.
Rolfs, P. H., on wild rice in Florida 19: 1029.

Roller

- for body painting 38: § 512.
- mention of, in Muskogee legends 42: 498.

Rollet 46: 316.

Rolling People, story of 44: 209 *sqq.*

Rollins, Miss M. C., aid of 35: 18.

Roll-up Mats 38: § 398.

Roman, Bernard (possibly a misprint for **Romans**).

Romance, nature and development of 19: LXXXI-LXXXVI.

Romans, Capt. Bernard

- cited 12: 665, 674.

- on Choctaw bone house 1: 168 (spelling: **Roman**).

- on funeral customs of the Chickasaws 1: 123 (spelling: **Roman**).

- on hoop and pole, Choctaw 24: 486.

- on racket, Choctaw 24: 598.

- on tossed ball, Choctaw 24: 709.

Romans

- ceremonial use of colors by the 10: 628 *sq.*

- customs of tattooing among the 10: 408.

- emblems of the 10: 525, 618.

Romanzof, Cape. *See* **Cape Romanzof**.

Romero, Juan de Dios, reference to 29: 201.

Romero, Don Mateo, acknowledgment to 17: 20.

Romero, Pedro Pablo, work of, on Cempoalan ruins 25: 234.

Romig, J. A. 46: 31, 36, 37.

Romney, W. Va.

- character of pottery of 20: 150.

- design from vase from 20: 171.

- pipes of 20: 173.

- pottery of 20: 164.

Rondelles of human bone, absence of 16: 67.

Rontauyau, grant of land to 18: 686.

Rontondee, grant of land to 18: 686.

Roof

- and floor construction at Homolobi, manner of 22, i: 110.

- Casa Grande, modern protective covering 28: 72.

- Casa Grande, original 28: 142.

- construction of 41: 552.

Roof—Continued

- construction of Casa Blanca 16: 106, 111.

- construction of Casa Grande 13: 311, 312.

- construction of Pueblo buildings 8: 120, 149.

- coping of Tusayan houses 8: 102.

- drains of Pueblo buildings 8: 102, 153-165.

- of cliff dwellings, discussion of 16: 165, 167.

- of Pueblo buildings 8: 63, 102, 119, 148-151.

- openings of Pueblo buildings 8: 61, 63, 77, 98, 169, 178, 201-208.

- pulled down after death 35: 709.

- shape of 41: 496.

- timbers of kivas 8: 119.

- timbers, source of, in Verde Valley 13: 196.

Roofs. *See* **Roof**.

Room

- alleged, in mound 41: 589 *sq.*

- for mother of twins 35: 676 *sqq.*

Rooms

- arrangement of, in cavate lodges 13: 220, 221, 229.

- arrangement of, in rows in Tusayan 8: 49.

- Casa Grande, description of 28: 74-79, 82, 89-92, 97 *sqq.*, 106-109.

- character of, in cliff dwellings 16: 95, 132.

- circular, at Kintiel 8: 93.

- confused arrangement of, in Walpi 8: 63.

- decoration of 47: 30.

- detached, in Verde ruins 13: 198.

- distribution of, in ancient villages 13: 197, 210.

- names of, in Tusayan 8: 223.

- of Casa Grande, dimensions of 13: 307.

- size of, in ancient villages 13: 198, 210.

- Tâaaiyalana ruins, arrangement of 8: 90.

- Tusayan, smaller than in Zuñi 8: 108.

See also **Room**; **Sacred Rooms**.

Roosevelt, Theodore

- on attack on Freeland's station 19: 63.

Roosevelt, Theodore—Continued

- on attack on Nashville 19: 63.
- on battle of King's Mountain 19: 57.
- on border fighters 19: 57.
- on Cherokee-American conflicts (1781) 19: 59, 60.
- on Cherokee trans-Mississippi migration 19: 100.
- on Christian's expedition 19: 51.
- on destruction of Chickamauga towns 19: 55.
- on French and Spanish encouragement of Cherokee hostility 19: 62.
- on Jack's expedition 19: 50.
- on Old Tassel's talk 19: 60.
- on Gen. James Robertson 19: 205.
- on Rutherford's expedition 19: 49, 205.
- on scalping by whites 19: 209.
- on Sevier and Campbell's expedition (1780) 19: 58.
- on Sevier's expedition (1782) 19: 60.
- on South Carolina's scalp bounty 19: 53.
- on Tory Indian raid 19: 48.
- on treaties of De Witt's Corners and Long Island 19: 54.
- on Williamson's expedition 19: 50.
- quoted on Swordbearer affair 14: 707.

Roosevelt Dam, reference to 28: 51.

Rooster Pulls

- description of 47: 106.
- occurrence of 47: 68.

Root Clan, identification of, as Potato clan 42: 118.

Root Diggers

- description of 45: 91.
- See also Digging Sticks.*

Root Picks of the Eskimo 18: 75.

Roots

- as food among the Omaha 3: 307.
- Eskimo implements made of 18: 87, 89, 275.
- Indian names of 45: 238.
- medicinal, appearance of 44: 325.
- method of cooking 45: 92 sq., 477.
- preparation of, for basket making 41: 150.
- preparation of, for medicine 44: 326.

Roots—Continued

- preservation of 35: 188.
- season for digging 45: 478.
- selection of 41: 149.
- storage of 44: 327.
- time for collecting 41: 149.
- use of 44: 326.
- use of, as food 45: 88 sq., 237, 238, 341 sq., 477-480.
- use of, to cure bodily ailments 36: 70.
- See also Plants; Spruce Root; Trees; Willow Root.*

Rope

- cedar bark 35: 75, 76, 90, 100, 141.
- grapevine, in Omaha tradition 27: 36.
- jumping among the Eskimo 18: 337.
- making by the Menomini 14: 260.
- making, plants used for 33: nettle 77.
- slippery elm 76.
- Tilia americana* 102.
- materials used in making 45: 225.
- primitive manufacture of 13: 21.
- See also Bands; Cords; Lariat; Twine.*

Ropes, Maj. E. H., collection made by 41: 95.

Roraima, Mount

- abiding place on 30: 135, 236.
- spirits on 30: 239.
- torrents from 30: 236.

Roripa Armoracia, introduction of by whites 33: 59.

Rosa, use of 44: 292, 360.

Rosa Arkansana, use of 44: 292, 336, 356, 364.

Rosa Gymnocarpa 45: 466, 487, 488, 489, 493, 495, 498, 504.

Rosa Pranticola 33: 85.

Rosalie, account of 27: 624 sq., 642.

Rosary

- origin of 9: 554.
- use of, as a mnemonic cord 9: 561.
- See also Beads.*

Roscoe, Capt. James, collection presented by 41: 116.

Rose, Dr. J. N., acknowledgments to 24: xvi; 30: 38.

Rose

- bushes, wild, found by Coronado 14: 507, 510, 517.
- in Cherokee lore 19: 420.

- Rose**—Continued
 use of 44: 292.
 wild, medicinal use of 42: 660.
 wild, use of 44: 292.
 wild, use of seeds of 14: 978.
- Rose Hill** steatite quarry 15: 107, 108, 116.
- Rose-Willow** in Iroquoian cosmology 21: 289.
- Rosebud Agency**
 changes in land boundary of 14: 830.
 delegates from, to Wovoka 14: 820.
 delegates from, to Washington 14: 891.
 flight of Indians of, to Bad Lands 14: 850.
 Ghost dance at 14: 847.
 number of Sioux at 14: 845.
 outbreak of Indians of, predicted 14: 800.
- Rosebud Brulé**, Ponca name for 27: 103.
- Rosebud Reserve**, establishment of 18: 932.
- Rosewater, Edward**, plan for Indian congress at Omaha formulated by 20: xvi.
- Rosewell, Henry**, grant of land to 18: 529.
- Rosier, James**, Indians described by 43: 172.
- Rosin Weed** 33: 132.
- Rosny, Prof. Leon de**
 cited 6: 267, 347, 355, 357.
 on Maya numerals 19: 891, 892.
 on the *lamat* symbol 16: 249.
 photographs of bas-reliefs of Bernouilli by, cited 19: 745.
 work of, on Mayan manuscripts, cited 3: 7, 9, 18, 31, 37, 38, 40, 41.
- Ross, —**
 on Indian warfare in 1776 19: 52.
 on northwestern Indian land troubles 14: 710.
 on Williamson's expedition 19: 50.
- Ross, Captain —** 46: 31, 86, 117.
- Ross, Alexander**
 on hand game, Okanagon 24: 300 sq.
 on improvidence of Indians of Northwest 7: 38.
 on stick game, Chinook 24: 240 sq.
- Ross, Allen**
 acknowledgment to 19: 13.
 on John Ross 19: 224.
- Ross, Andrew**
 and others, preliminary treaty concluded with 5: 275.
 proposition of, for Cherokee treaty 5: 274, 275.
- Ross, John**
 advises sale of Fort Gibson in town lots 5: 322.
 alleged attempt to bribe 5: 273.
 application for injunction against Georgia by 5: 262, 272.
 arrest of 5: 281; 19: 122.
 attempt of McIntosh to bribe 19: 216.
 attitude of, during Civil War 19: 149.
 character of 19: 150 sq.
 convening of Tahlequah council by (1843) 19: 485.
 custody of records of Iroquois peace by 19: 355.
 death of 5: 347; 19: 150.
 death of wife of 19: 132.
 efforts of, to prevent Removal 19: 121 sq., 125, 129, 130.
 election of, as assistant chief 19: 113.
 election of, as president of National Council 19: 107.
 election of, as principal chief 19: 114.
 heads Cherokee delegation to Washington in 1835 5: 278, 279.
 heads delegation to Washington in 1844 19: 300.
 letter to Calhoun by 19: 115.
 life of 19: 224 sq.
 memorial resolution on 19: 151.
 memorial to Congress by 19: 121.
 not recognized as principal chief of Cherokee 5: 343, 344.
 on Ani'kuta'ní 19: 392 sq.
 on Jackson's reply to Cherokee protest 19: 126.
 opposition to survey and allotment of Cherokee domain by 5: 324.
 opposition to treaty by 5: 282.
 part taken by, in Creek War 19: 97.
 part taken by, in killing of Ridges and Boudinot 19: 134.
 position of, in 1837 19: 188.

Ross, John—Continued

- president of constitutional convention 19: 112.
- proclamation by 19: 120.
- proposal of new Cherokee treaty by 5: 291.
- proposition for removal by 19: 132.
- protest against removal of Cherokee by 5: 273, 275; 19: 120.
- refusal of President Jackson to communicate with 19: 126.
- refusal of, to acquiesce in treaty 5: 283.
- relations of, to Southern Confederacy 5: 326-332.
- signer of Act of Union 19: 135.
- suit against Georgia by 19: 119.
- threat of arrest of 19: 135
- See also* **Ross Party**.

Ross, Sir John

- acknowledgment to 7: 73.
- cited 6: 410, 451, 453, 454, 455, 456, 458, 469, 471, 478, 485, 508, 552, 553, 570; 46: 348.
- on Eskimo diet 9: 62.
- works of, consulted 9: 25.

Ross, William E., assistance rendered by 33: 161.**Ross, W. P.**

- editor of Cherokee Advocate 19: 111.
- on death of Sequoya 19: 148.

Ross County, Ohio

- occurrence of earthenware spoons in 20: 44.
- pottery from 20: 184, 193.

Ross or Government Party of the Cherokee

- attitude of, during Civil War 19: 148.
- conflict of, with Ridge party 19: 147.
- mention of 5: 293.

See also **Ross, John**.

Rosse, I. C. 46: 234.**Rot, Spirit of**, legend of 30: 230 sq.**Roth, H. Ling**

- citing Descourtilz on Antillean pictographs 25: 148.
- on Tasmanian number concept 19: 833.
- on use of tobacco 25: 61.
- on witchcraft in Santo Domingo 25: 67.

Roth, Dr. Walter E.

- collection made by 39: 27.
- contributor to Bureau 48: 1189.
- implement presented by 41: 43.
- on animism and folklore of Guiana Indians 30: 26 sqq., 103-386.
- on Australian binary concept 19: 846.
- on Australian numeration 19: 834.
- paper by 34: 26; 36: 30; 37: 27; 42: 16.
- specimens from 34: 30.
- work of 30: 103, 107; 41: 104.

Rothrock, J. T., material collected by 24: 236.**Rotunda**

- description of 42: 177, 178 sq.
- location of 42: 171, 175, 176.
- See also* **Tcokofa**.

Rotunda Creek, description of, by Bartram 41: 514.**Roucouyenne Indians**

- burial customs of the 30: 157, 159 sq.
- dogs used as food by 30: 298.
- food of the 30: 381.
- hunting customs of the 30: 282, 294.
- natal customs of the 30: 320.
- ordeals of the 30: 309, 310, 340.
- sickness among the 30: 352.

Rougeau, Mrs. Henry, mound on farm of 44: 409.**Roughware**

- from Four-mile ruins, description and figure of 22, i: 141.
- See also* **Pottery**.

Rouhamon. *See* **Strychnos**.**Roulette**

- use of, in finishing and decorating 20:
 - Eastern United States pottery 51, 52, 73-77, 79.
 - Iroquoian pottery 161, 164, 167.
 - Middle Atlantic Coast pipes 158.
 - Middle Atlantic Coast pottery 149, 153 sq., 155 sq., 157.
 - New Jersey-New England pottery 176, 179.
 - Northwestern pottery 188-195, 196 sq., 201.
 - Ohio Valley pottery 185.
- use of finger nails as, Middle Atlantic Coast 20: 149.

Round Dance 45: 192, 388 *sq.*
Round Island, reservation of 18: 756.
Round Rock, Tex., aboriginal workshops at 40: 4.
Round Tail, Gila fish 26: 83.
Round Valley Indians, burial among the 1: 124.
Round Valley Reserve
 act authorizing 18: 830.
 changes in 18: 852, 862, 880, 886.
 establishment of 18: 816.
 removal of Indians of 18: 850.
Roundhouses, detached 47: 209.
Routes
 to Casa Grande, description of 28: 34-37.
 trade, mention of 38: § 823.
Rowan, Captain —, on preserved skulls 3: 97.
Rowe Canyon, Ariz., petroglyphs in 10: 356 *sq.*
Rowland, Thomas, land treaty witness 14: 29.
Rows of houses forming Shumopavi 8: 74.
Roxana Petroleum Co., collection presented by 40: 20.
Roy, J. B., grant of land to 18: 792.
Royal, number of specimens from 34: 49.
Royal Spring, Ky., description of, by Collins 42: 788 *sq.*
Roybal, Antonio, on Callamongue 29: 333.
Royce, C. C.
 cited 12: 696, 697.
 cited on Cherokee dealings with North Carolina 18: 629.
 contributor to Bureau 48: 1189.
 map of, cited on Cherokee lands 7: 78.
 memoir on Indian land cessions by 18: LI *sq.*, LIV-LVII, 527-949.
 obituary of 48: 1221.
 on adoption of Cherokee constitution 19: 113, 135.
 on Arkansas Cherokee 19: 137, 138, 140, 141, 142.
 on arrest of Ross 19: 123.
 on attack on Buchanon's station 19: 73.

Royce, C. C.—Continued

 on attempted establishment of iron works in Cherokee country (1807) 19: 86.
 on attempted purchase by Tennessee (1807) 19: 86.
 on attempt to annul treaty of 1817 19: 104.
 on Blount's proposal (1795) 19: 80.
 on building of Unicoi turnpike 19: 87.
 on cessions of land 1: xxvii.
 on Cherokee attitude regarding land cessions (1830) 19: 119.
 on Cherokee census (1835) 19: 125.
 on Cherokee desire to go west (1817-1819) 19: 104.
 on Cherokee emigration, 1817-1819 19: 103, 104.
 on Cherokee invitations to Delawares, Shawano, and Oneida 19: 105.
 on Cherokee land cessions 19: 34, 45, 54, 60.
 on Cherokee loss in Civil War 19: 149.
 on Cherokee memorial to Congress (1834) 19: 121.
 on Cherokee memorials to President Monroe 19: 115.
 on Cherokee Nation of Indians 5: XLII *sqq.*, 121-378.
 on Cherokee part in Civil War 19: 148.
 on Cherokee part in French and Indian war 19: 39.
 on Cherokee population 19: 34.
 on Cherokee project to remove to Columbia River 19: 120.
 on Cherokee relations with Creeks 19: 383.
 on Cherokee relations with Tuscarora 19: 32.
 on Cherokee suffering through Civil War 19: 150.
 on Cherokee territory in 1800 19: 81.
 on Cherokee war of 1760-61 19: 45.
 on clearing of East Cherokee title to Qualla reservation 19: 174.
 on council at New Echota 19: 122.
 on Davis's letter to Secretary of War 19: 127.
 on death of Sequoya 19: 148.
 on deaths during Removal 19: 133.

Royce, C. C.—Continued

- on delegation to Washington (1835) 19: 122.
- on desire for Indian lands 19: 85.
- on destruction of Chickamauga towns 19: 79.
- on Dunlap, General, address 19: 128.
- on East Cherokee censuses 19: 167, 168.
- on East Cherokee participation in Removal fund 19: 167.
- on Everett's letter to Secretary of War 19: 128.
- on extension of Georgia laws 19: 221.
- on first railroad in Cherokee country 19: 151.
- on forced immigrations of the Winnebago 19: 1052.
- on Georgia acts affecting Cherokee 19: 116, 117.
- on Governor Gilmer's declaration 19: 129.
- on imprisonment of missionaries 19: 120.
- on incorporation of Delawares and Shawano 19: 151.
- on Indian warpath 19: 206, 207.
- on Jackson's attitude toward Cherokee 19: 117.
- on Jefferson's removal project 19: 101.
- on McMinn's estimate of Cherokee emigration 19: 106.
- on massacre of Scott party and Bowl migration 19: 106.
- on Meigs, Col. R. J. 19: 215.
- on opposition to allotment project (1820) 19: 114.
- on origin of Chickamauga band 19: 54.
- on party feeling over removal plans 19: 129.
- on payment of East Cherokee share in Removal Fund 19: 168.
- on Ross's attitude during Civil War 19: 149.
- on Ross's last efforts against removal 19: 130.
- on royal proclamation of 1763 19: 46.
- on Rutherford's route 19: 205.

Royce, C. C.—Continued

- on Schermerhorn's proposals for securing acceptance of Ridge treaty 19: 122.
- on Scott's proclamation 19: 130.
- on Sweatland's census 19: 172.
- on Tellico conference 19: 79.
- on threat to arrest Ross 19: 135.
- on treaties of New Echota 19: 123, 125, 159.
- on treaties of Tellico (1798, 1804, 1805) 19: 81, 85.
- on treaties of Washington (1816, 1819, 1846) 19: 98, 106, 148.
- on treaty of Augusta 19: 61.
- on treaty of Cherokee agency (1834) 19: 120.
- on treaty of Chickasaw Old Fields (1807) 19: 86.
- on treaty of Fort Gibson 19: 125.
- on treaty of Holston 19: 69.
- on treaty of Hopewell 19: 62.
- on treaty of Philadelphia (1794) 19: 77.
- on treaty of Tahlequah (1866) 19: 150.
- on troops employed in Removal 19: 129.
- on Western Cherokee (1809, 1817) 19: 102.
- on Wool's comments on Removal 19: 127.
- preparation of monograph by 16: XLIII, LV, LXXII.
- publication of paper by 19: xxx.
- work of 2: xxiii; 6: L, LI; 7: xxxii; 8: xxv; 18: LV.
- Royce, Josiah**, on idealism 20: cxc sq.
- Royce Memoir**, work in revising 17: XLIX.
- Royer, D. F.**
 - agent at Pine Ridge 14: 828, 848.
 - alarm of 14: 849.
 - consultation of, with General Miles 14: 848.
 - on mortality at Wounded Knee 14: 871.
 - removal of Sioux Indians recommended by 14: 852.
 - statement to, on Sioux outbreak 14: 839.
- Rsân'tali Vi'akam**, Pima head chief 26: 196.

Rsá'nûk, Pima village

- Apache-Pima fight at 26: 43.
 epidemic in 26: 55.
 mention of 26: 23.
 raided by Apache 26: 39.

Rso'tûk, Pima village

- fever prevalent at 26: 52.
 mention of 26: 23.
 removal of people of 26: 54.
 scene of Pima victory over Apache
 26: 39 sq.

Rubber

- tennis ball 38: § 603, 604.
See also Hevea; Sapium.

Rubbing Stones

- from Casa Grande 28: 127.
 from Cuyamunque 2: 435.
 mention of 25: 108; 44: 92.

Rubbing Tools. *See Stones; Tools.***Rubble, walls of, in the Southwest**
23: xxix.**Rubiaceae** 33: 115.**Rubus Frondosus**, use of 44: 292,
307, 340, 358.**Rubus Leucodermis** 45: 483, 487,
502.**Rubus Macropetalus** 45: 487, 488,
508.**Rubus Occidentalis**

- mention of 33: 84; 45: 484.
 use of 44: 292, 356.

Rubus Parviflorus 45: 488.**Rubus Pubescens** 45: 466, 502.**Rubus Spectabilis** 45: 482, 483,
486.**Rubus Strigosus**

- beverage made from 44: 317.
 medicinal constituents of 44: 304.
 medicinal properties of 44: 302.
 mention of 33: 84; 45: 466.
 use of 44: 292, 344, 360.

Ruby

- axes 46: 135.
 mention of 46: 45, 48, 59, 81, 149.

Ruby Valley Reserve, establishment
of 18: 822.**Rudbeckia Lacinata**

- medicinal constituents of 44: 304.
 medicinal properties of 44: 304.
 use of 44: 292, 342, 366.

Rude Flaked Implements, descrip-
tion of 15: 90.**Rudo Ensayo**

- authorship of 17: 70.

Rudo Ensayo—Continued

- description of Casa Grande in 28:
56 sq.
 on location of Opa and Maricopa
26: 93.
 on Pima 26: 20.
 on Seri arrow poison 17: 78.
 on Seri character and conversion
17: 77.
 on Seri population 17: 71.
 on Seri language, habitat, etc. 17:
78.
 on Sobaipuri 26: 23.
 on Sonoran missions 17: 71.
 Pima chief named in 26: 196.
 quotation from, on poison 14: 538.
Ruffin, T., arbitrator between East
Cherokee and Thomas's creditors
19: 174.
Ruffs, tippets 38: § 538.
Rufus Bingham Mounds
 location of 37: 99.
 number of 37: 100.
Ruger, General —
 on Big Foot's movement 14: 865.
 on causes of Sioux outbreak 14:
834.
 on mortality at Wounded Knee
14: 870.
 ordered to arrest Swordbearer 14:
707.
Ruggles, Levi, appointed agent for
Pima 26: 33.
Ruins
 ancient Zuñi, description of 13:
344.
 between Horn house and Bat house
8: 51.
 Cibola 8: 80.
 discovery of, by Alvarado 14: 594.
 extent of, in the Southwest 13:
259.
 features of 46: 172, 173.
 in eastern Arizona, paper on 47: 6.
 Johnson Canyon 34: 164.
 of Arizona, architectural character-
istics of ancient 19: 577.
 of East Mesa, discussion of 17:
585.
 of Eskimo houses near Point Barrow
9: 79.
 of Eskimo villages 18: 263-266.
 of Tusayan 8: 45-60; 17: 577.
 of Verde Valley 13: 185.

Ruins—Continued

- Oraibi Wash 8: 54 *sqq.*
 preservation of 41: 47 *sq.*
 Pueblo, classification of 16: 89.
 richness of, archeologically 46: 173.
 Sia 11: 10.
 Spring Canyon 34: 165.
 Tâaaiyalana 8: 89.
See also Awatobi; Cliff Dwellings;
 Honanki; Mound; Palatki;
 Pueblo; Sikyatki; etc.

Ruiz de Asis. *See* Asia.

Ruku. *See* Bixa.

Rumex Berlandieri, etc.

- effect of, on teeth 26: 160.
 Pima food plant 26: 78.

Rumex Crispus

- medicinal constituents of 44: 305.
 medicinal properties of 44: 302.
 mention of 33: 77.

Rumex Hymenosepalus

- mention of 33: 77.

See also Canaigre.

Rumsen

- games of the 24:
 hand game 283.
 hoop and pole 472.

Rumsey, W. E., on absence of wild
 rice in West Virginia 19: 1032.

Rungs of ladders, how attached 8:
 158, 159.

Runners (1)

- distance covered by 42: 735.
 endurance of 42: 446.
 in annual buffalo hunt 27: 279 *sq.*,
 300 *sqq.*
 Pawnee, feats of 17: 260.

Runners (2) on Eskimo sleds 18:
 206-209.

Running

- of the Seri 17: 149*-152*.
 speed in 46: 529.

Running Antelope, Dakota chief,
 biography by 10: 571-575.

Running Races

- played by the 24:
 Apache, Jicarilla 806.
 Apache, Mescalero 803 *sq.*
 Crows 807 *sq.*
 Eskimo, Western 805.
 Hopi 807.
 Mandan 807, 808.
 Maricopa 809.
 Missisauga 803.

Running Races—Continued

- played by the 24—continued
 Muskogee 805.
 Navaho 803 *sq.*
 Okanagon 806.
 Pima 806.
 Pueblo tribes of the Rio Grande
 806.
 Seneca 805.
 Shuswap 806.
 Sioux 807 *sq.*
 Sobaipuris 806.
 Thompson Indians 806 *sq.*
 Wichita 804 *sq.*
 Winnebago 809.

Running Water, Cherokee town

- building of 19: 54.
 destruction of 19: 79.
 mention of 42: 750.

Runsien Nation of Galiano 7: 75.

"Runtees"

- a variety of shell beads 2: 228.
 manner of stringing 2: 229.
 origin of 2: 230.
 signification of figures engraved upon
 2: 228.

Rupert's House Cree

- character of 28: 247.
 forms from 28: 248.
 pronunciation of 28: 227.
See also Montagnais.

Rural Retreat, Va., trail by 42: 759.

Rush Lake Village, location of
 37: 51.

Rushes

- baskets of, use of, as molds for
 Eastern United States pottery
 20: 58.
 in Cherokee lore 19: 426.
 places named for 30: 86.
 use of, for mats 13: 18; 14: 259.
 use of, in basketry 41: 145, 148
 weaving of, for shrine 45: 682 *sq.*
See also Baskets.

Rushing, James F.

- on morality of Yuma 26: 182.
 on Pima villages 26: 21.

Ruslen Language of Mofras 7: 102.

Russell, Dr. Frank

- archeologic researches of 23: xvii.
 collections made by, in Arizona
 22, i: xxxix.
 contributor to Bureau 48: 1189.
 field work of 22, i: xiii.

Russell, Dr. Frank—Continued

- material collected by 24: 151, 356, 543, 551.
monograph on Pima by 28: 42.
obituary of 48: 1221.
office work by, on architectural types of southern Arizona 22, i: XXIII.
on archery, Pima 24: 389.
on ball race, Pima 24: 671 *sq.*
on dice game, Pima 24: 151 *sq.*
on hand game, Pima 24: 296.
on hidden ball, Pima 24: 356.
on lava rings, Pima 28: 130.
on metates 28: 126.
on Pima legends as to their origin 28: 155.
on quoits, Pima 24: 724.
on ring and pin, Pima 24: 551 *sq.*
on ring and pin, Thlingchadinne 24: 543 *sq.*
on running races, Pima 24: 806.
on shuttlecock, Pima 24: 717.
on word *siba* 28: 46.
Piman objects collected by 23: XLI.
Piman researches of 23: XVII, XXIX.
reference to 28: 45, 118.
somatological data obtained by 23: XIX.
technological studies of, in the Southwest 23: XXIX *sqq.*
work of 24: XX *sq.*, XXVIII, XXIX, XXXII.
Russell, Mrs. Frank, work of 26: 18.
Russell, I. C.
on pictographs 4: 27, 229.
on tattooing in New Zealand 4: 73, 75, 76.
pictographs sketched by 10: 117.
Russell, Capt. William, part taken by, in battle of Horseshoe Bend 19: 94.
Russellville-Hopkinsville Trail 42: 806.
Russellville-Shawneetown Trail 42: 804 *sq.*

Russia, wild rice in 19: 1037.

Russian

- beads 46: 136.
early observation in America 46: 29.
explorations, Yukon and affluents 46: 123, 127, 128.
influence 46: 46, 49, 55, 58, 61, 63, 116.

Russian—Continued

- influence at Bonasila 46: 142.
influence on burials 46: 138.
maps 46: 93.
massacre at Nulato 46: 128.
snuffboxes 46: 136.
traders 46: 123, 127.
See also Russians.
Russian Mission
archeology of 46: 134.
establishment of 46: 127.
mention of 46: 67, 70, 71, 81, 170.
pottery of 46: 147.
Russian Thistle, introduction of, from Europe 33: 59.

Russians

- advent of, in North America 26: 414.
discoveries by 46:
Norton Sound 126, 127.
Tanana 123.
Yukon 127, 128.
See also Russian.

Rust, Doctor —, on stone yokes 25: 260.

Rust, Horatio N.

- collection of stone objects from California by, purchase of 22, i: XXXIX.
material collected by 24: 179.
on Davenport tablets 4: 251.

Rutaceae 33: 98.

Rutherford, Gen. Griffith

- expedition of, against Cherokee 19: 49, 205; 42: 773 *sqq.*
life of 19: 205.
march of, against Cherokee 5: 157.

Rutherford-Kiser Farm, owl image from 41: 542.

Rutherford-Kiser Mound, mention of 41: 496.

Rutherford's War Trace 42: 773 *sqq.*

Ruttenberg, E. M.

- on the keeper of wampum 2: 241.
on the manufacture of shell money 2: 238.

Rutter, —, on fishes of Colorado Basin. 26: 83.

Ruxton, —, quotation from, on sign language 1: 324 *sq.*

Ruxton, George A. Frederic

- cited as to Casa Grande 28: 53.
on Jemez 29: 402.

- Ruxton, George A. Frederic**—Con.
 on Pojoaque 29: 334.
 on Taos 29: 182.
- Ryawas; Ryuwas**, Kiowa synonyms
 17: 149.
- Rydeem, E.** 46: 31.
- Rye**, —, on De Soto's route 19: 195.
- Rye, Gov. Thomas C.**, acknowledgment to 42: 745.
- Rye**
 chemical composition of 19: 1082.
 wild, use of 45: 499, 515.
- Rye Straw**, use of, in basketry 41: 145.
- Ryuwas.** *See* **Ryawas.**
- S**
- S-shaped Ornaments**, South Appalachian pottery 20: 137.
- Sa Clan**
 census of 19: 617, 622.
 serpent effigies kept in house of 21: 51.
- Saabedra, Fernandarias de**, appointment of, at Chiametla 14: 481.
- Saabedra, H. A. de**, mayor of Culiacan 14: 533, 534.
- Saawerramet**, a Wawenock at Falmouth Conference 43: 174.
- Saba**, number of specimens from 34: 50.
- Sabi**, mask of, kept by Walpi Pakab clan 21: 95.
- Sabias**
 crystal 42: 498.
 description of 42: 499.
 supernatural power of 42: 499 sq.
 vegetable 42: 500 sq.
- Saboba**
 games of the 24:
 dice game 171.
 hand game 313.
- Sabotnisky**
 ceremonial objects from 18: 396, 397, 399, 403 sq., 408 sq., 420.
 dance at 18: 355 sq.
 implements and utensils from 18: 68, 74, 77, 79, 80, 83, 106, 107, 143, 154, 155, 161, 170, 184, 187, 190, 192, 194.
 toys from 18: 342.
- Sac and Fox**
 burial among the 1: 94, 95.
 burial customs of the 5: 20, 21.
- Sac and Fox**—Continued
 Kwapa dispersed by the 15: 195.
 population of the 7: 50.
 surface burial of the 1: 140, 141.
 See also **Sauk and Fox.**
- Sac Indians**
 conventional devices of the 10: 658.
 habitat of the, in 1761 15: 196.
 mourning ceremonies of 10: 518, 629.
 tribal sign for 1: 473.
 See also **Sauk Indian.**
- Sacatecas.** *See* **Zacatecas.**
- Sacaton**, Maricopa village 26: 21.
- Sacaton, Pima village**
 epidemic of measles at 26: 64.
 mention of 26: 23.
 references to 28: 45, 149.
 residence of Pima agent 26: 33 sq.
 Dr. F. Russell's headquarters 26: 17.
 sacred places near 26: 255.
 treatment of Indians at 26: 58.
 See also **Zacaton.**
- Sacaton Flats**
 Pima village 26: 23.
 race tracks in the vicinity of 26: 173.
 rattle used in 26: 169.
- Sacaton Grass** 26: 116.
- Saccharum Officinarum.** *See* **Sugar.**
- Sacchuma**, identical with Chakchiuma 42: 39.
- Sacerdotal.** *See* **Ceremonial; Mortuary; Mythology; Priests; Religion.**
- Sachems**, list of, signing Falmouth treaty 43: 174.
- Sacks**
 of the Omaha 13: 278.
 See also **Bags; Fabrics.**
- Sacramento Tribes**, Sutter and Dana on the division of the 7: 99.
- Sacramento Valley, Calif.**, field work in 20: x.
- Sacred Animals** among Indians 19: 447.
- Sacred Fireplaces**
 mention of 36: 53 sq.
 See also **Fireplaces.**
- Sacred Formulas of the Cherokee**
 notice of paper on 7: xxxix sq.
 paper on, by James Mooney 7: 301-397.

Sacred House

- approach to 43: 36 *sqq.*
 mention of 36: 54.

Sacred Image House 41: 564 *sq.***Sacred Legend**

- character of 27: 113.
 on acquisition of Wa'waⁿ ceremony 27: 376.
 on early habitat and conditions 27: 70 *sqq.*
 on meeting with whites 27: 81 *sq.*
 on origin of Noⁿ'zhiⁿzhoⁿ rite 27: 128 *sq.*
 on political unity 27: 199, 201.
 on primitive clothing 27: 356 *sq.*
 on Sacred Pole 27: 218 *sq.*
 on the maize 27: 261.
 on tribal character 27: 608 *sq.*, 610.
 references to 27: 251, 255.

Sacred Lodge

- ceremony of 46: 488 *sq.*
 construction of 46: 488.

Sacred Meal in Tusayan ceremony 16: 277.**Sacred Myths**

- Indian 19: 229.
 instruction in 19: 229 *sq.*
See also Cosmogonic Myths; Migration Traditions; Myths.

Sacred Numbers

- of the American Indians 19: 431.
 of the Cherokee 24: 575, 580.
 of the Pima 26: 168.
See also Four; Seven.

Sacred Packs

- animals in, considered alive 40: 38, 195.
 belief in 40: 38, 115, 155, 157, 181, 189.
 carried on back in war 40: 115.
 description of 27: 226 *sqq.*
 of Fox Indians, acquired by National Museum 34: 16.
 of Fox Indians, purchased by Dr. T. Michelson 34: 30.
 on right front hoof 40: 249-265.
 on the right side 40: 267, 281.
 owners of 40: 501.
 taken down by ceremonial attendant 40: 123.
 White Buffalo's left hoof 40: 209-227.
 White Tiny-hoof 40: 229-247.

Sacred Packs of War. *See* Packs of War.**Sacred Pipes**

- keepers of the 3: 222, 223, 358, 363.
 of the Omaha 3: 221-224.

See also Pipes.**Sacred Places** at Pima 26: 254 *sqq.***Sacred Plates.** *See* Plates, copper and brass.**Sacred Pole**

- anointing ceremony of 27: 213, 230-233, 244, 273, 363.
 ceremonies of the 27: 243-251, 596.
 description of 27: 224 *sq.*
 in annual buffalo hunt 27: 280.
 in He'dewachi ceremony 27: 251-260.
 keeper of the 27: 208.
 legend of the 27: 44, 223 *sq.*
 made of cottonwood 33: 58.
 "mark of honor" 27: 219 *sqq.*
 of the Omaha 3: 234, 293.
 origin of the 27: 44, 73, 74, 217, *sqq.*
 references to the 27: 70, 160, 279, 458, 494, 609.
 ritual songs of the 27: 233-242.
 symbolism of the 27: 236, 243.
 tent of 27: 154, 195.
See also Sacred Packs; Sacred Tents.

Sacred Rock Paintings 10: 466 *sq.***Sacred Room**

- mention of 35: 748, 869, 874, 1006, 1007, 1073, 1132, 1165, 1169, 1199, 1211.
 of Cannibal and his companions 35: 1244 *sqq.*
 of novice 35: 738.

Sacred Shell

- account of 27: 200, 454-458, 494.
 reference to 27: 194.

Sacred Song of war dancer 35: 1136.**Sacred Songs**

- mention of 35: 736, 737, 738, 739, 740, 745, 872, 874, 892, 929, 936, 955, 962, 1004, 1005, 1025, 1053, 1131, 1137, 1138, 1241.
 of shaman 35: 708, 722, 726.

Sacred Tents

- account of the 27: 221 *sq.*
 contents of 27: 278 *sq.*
 custody of 27: 154.

Sacred Tents—Continued

- in Turning the Child 27: 118.
- of the Omahas 3: 221, 226, 233;
11: 413.
- on annual buffalo hunt 27: 278 sq.
- references to 27: 155, 194 sq., 277,
487.

See also **Tent of War; White Buffalo Hide.**

Sacred Things, Cherokee 19: 396 sq.

Sacred Tree, origin of 27: 49.

Sacred Tribal Pipes. *See* **Pipes.**

Sacred White Buffalo Hide. *See*
White Buffalo Hide.

Sacrifice

- after death 35: 709.
- among the Hopi 17: 738.
- among the Siouan Indians 15: 184.
- amputation of fingers as 46: 427 sq.
- as a wager 24: 180.
- custom of making 42: 708.
- during mourning 17: 363.
- indications of fire erroneously taken
as proof of 12: 604.
- influence of, on development of
drama 19: LXXVIII.
- made by hunters 46: 535.
- mention of 1: 187; 42: 516 sq.
- mortuary, by Prairie tribes 14:
782.
- of blood, to the earth 47: 92.
- of clothing 35: 707.
- of dog image 16: 211.
- of food 35: 705.
- of food in Tusayan house building
8: 101, 102.
- of game 44: 252.
- of property among the Kiowa 17:
223.
- pole of the Sioux 14: 822.
- primitive 11: 196, 373, 380, 426,
435, 459, 502, 521.
- propitiatory, among the Kiowa 17:
310.
- scarification as a 14: 898.
- to fire 35: 1331 sqq.
- to souls 35: 722.
- to Spirit of Fire 35: 706.
- to the river 46: 536.
- to Wakoñda 46: 489.

See also **Ceremonial; Mortuary;
Offerings; Sacrifice, Human.**

Sacrifice, Human

- among Aztecs 47: 903.
- discussion of 47: 846 sq.
- in Hopi legend 16: 297.
- mention of 42: 702, 712
- Pawnee and Sioux cases of 47: 847.
- seldom practiced by Indians 12:
676.
- was it practiced by mound-builders?
12: 678.

See also **Sacrifice.**

**Sacrificial Basins, use of baked clay
vessel as, Eastern United States**
20: 36 sq.

Sacrificial Caves. *See* **Graham
Mountains; Nantacks.**

Sacrificial Knives 34: 107 sq.

Sádalsómte-K'íägo, a Kiowa Apache
synonym 17: 245.

Sa'dälso'mte-K'íñago, Kiowa name
of the Kiowa Apache 14: 1081.

Saddlebag, basket used as 41: 208.

Saddles of the Omaha 13: 280.

Sad-dy-yo. *See* **Sä'riyo.**

Safety, signals for 1: 536.

Safety Harbor, Fla.

- archeological sites at 48: 3.
- mound near, excavation of 47: 2.

Safford, William E.

- acknowledgments to 36: 55; 41:
494.
- aid of, in arranging and verifying
nomenclature 33: 46.
- remains examined by 41: 540, 541.
- report made by 41: 566.

Safford, Mrs. W. E., gift from 43: 18.

Sagadahock

- forms of the name with meanings
43: 170.
- the territory of the Wawenock 43:
170.
- use of the word 43: 171.

Sagard, Theodat G., cited 12: 618,
624; 30: 20.

Sagdliirmiut

- Eskimo tribe, situation of 6: 444.
- of Southampton Island 6: 451.

Sage

- acknowledgment to 14: 655.
- See also* **Nakash.**

Sage

- little wild 33: 134.
- prairie, use of 44: 287.

Sage—Continued

seeds and roots of, used in *tzoalli*
9: 526 sq.

wild, mention of 33: 134.

See also Artemisia Frigida.

Sage Creek, Wyo., rock carvings on
4: 24.

Sage-hen

held sacred in Ghost dance 14: 982.

in Paiute myth 14: 1051.

symbol on Ghost shirts 14: 823.

Sagebrush

Pima food plant 26: 69.

use of 45: 459, 500, 510.

use of, in ceremonies 30: 87.

use of, in folklore 30: 88.

use of, in sweat bath 14: 822.

Sagebrush Mariposa, use of 45: 481,
483.

Sagewomnee land cessions and reser-
vations 18: 782.

Sa'ghalee Tyee, a Columbia Indian
god 14: 719, 722.

Saginaw, treaty of 18: 698 sqq.

Saginaw Chippewa land cessions and
reservations 18: 764, 768, 812,
834.

Sagittaria Latifolia

a life symbol 36: 110.

a sacred food plant 39: 129.

mention of 33: 65.

use of 44: 292, 307, 319, 342.

Saguaro

characters of 17: 33 sq.

harvest of 26: 35.

in Pima legend 28: 44, 52, 61.

in Pima mythology 26: 213.

in Pima songs 26: 331.

in Pima tales 26: 245, 247, 250.

liquor made from 26: 72.

Pima food plant 26: 66, 71, 103.

products as trade articles 26: 93.

seeds of, used in tanning 26: 118.

Saguesa, characters of 17: 33 sq.

Sahagun, Bernardino de

on Aztec customs 9: 464, 486, 495,
518, 521, 523, 528, 538, 559.

on Mexican calendars 3: 41, 46, 47,
49, 54, 56, 59, 60.

on Mexican labrets 3: 86.

on Mexican masks 3: 96.

Sahagun Manuscript

part played by, in Masauú ceremony
21: 37.

Sahagun Manuscript—Continued

suggestion of, concerning symbolism
21: 13.

Sahaptin Tribes

absence of Ghost dance among the
14: 805.

basketry of the 41: 135 sq.

grass caps made by the 41: 139.

imbrication practiced by the 41:
139.

sketch of the 14: 744.

tribal sign for the 1: 473.

See also Nez Percé.

Sahehwamish land cessions and res-
ervations 18: 798, 818, 864.

Sahkumehu. *See Dwamish.*

Sai'apa, personator of, performance
by 23: 534.

Saiaz

habitat of the 7: 54.

See also Hoopa Valley Reserve.

Saidyuda, population of 7: 110.

Sails

made of mat 35: 100.

made of wood 35: 97.

of Eskimo boats 9: 338; 18: 202,
217, 231.

of Guiana Indians 38: § 797.

Sainell land cessions and reservations
18: 784.

Saint —. *See St. —; Ste. —; San —;
Santa —; Santo —.*

St. Albin, W. Va., remains near 42:
755.

St. Andrew's Bay, Fla., pottery from
20: 112.

St. Andrew's Cross, medicinal use of
42: 666.

St. Anne de Restigouche, Micmac
dialect at 28: 288.

St. Augustine, Fla.

Shawnee and Kaskinampas trading
at 42: 510.

starting point of King's Highway
42: 831.

trail to, from Cisca 42: 846.

trails from 42: 828.

St. Christopher. *See St. Kitts.*

St. Clair, General —

defeat of 19: 72, 212.

effect of defeat of 19: 71.

St. Clair, H. H.

Chinook dictionary by 23: xxxv.

St. Clair, H. H.—Continued

collaboration of, in comparative
synopsis of languages 23: xxxiv.
material collected by 31: 18.
Shoshoni linguistic material studied
by 23: xxxv.

St. Clair, H. H. (2d)

material collected by 24: 500.
work of 24: xxi sq.; 26: xxii.

St. Clair, T. S., cited 30: 239, 283,
329, 330.**Saint Cosme, —, on smallpox among
the Kwapa** 15: 193.**St. Croix**

aborigines of 34: 166 sq.
artifacts from 34: 168.
culture of, like that of Porto Rico
34: 168.
geology of 34: 166.
specimens from 34: 166 sqq.

St. Croix River, wild rice in 19:
1034.**St. Denis, Juchereau, activities of**
42: 829, 832, 833.**St. Francis Abenaki**

origin of the term 43: 173.
tribes constituting 43: 169.

St. Francis de Pupa, fort of 42: 829.**St. Francis Indians, independent of
the Wawenock** 43: 175.**St. Francis River Region**

quality of pottery of 20: 102.
resemblance of Lower Mississippi
Valley pottery to that of 20:
103 sq.

**Saint George Tumulus, Utah, pot-
tery from** 4: 281, 287, 291, 300,
307, 312, 334.**St. Ignace, peace embassy at** 43:
456.**St. James, Nebr., reference to** 27:
85.**St. John, —, special agent to Pima**
26: 90.**St. John, translation of Gospel of**
19: 110.**St. John**

dance of, description of 14: 935.
pottery from 4: 305.

St. Johns, ruins near 17: 533.**St. Joseph, treaty of** 18: 718.**St. Joseph River, treaty of** 18: 722.**St. Kitts**

archeological work in 34: 11.

St. Kitts—Continued

archeology of 34: 158–166.
number of specimens from 34: 49.
pottery of 34: 260.

St. Lawrence Basin

defeat of Indians of, by Iroquois 20:
167.

Iroquoian occupation of 20: 169.
practice of potter's art in, at coming
of French 20: 160.

St. Lawrence Island

age census of burials of 46: 322.
anthropometric data from 46: 238,
251, 252.

anthropometry of 46: 30.

archeology of 46: 117, 173, 174.

collections from 46: 30.

description of villages on 18: 258
sqq.

discovery of 46: 209.

drawing from 18: 331 sq.

early map of 46: 93.

Eskimo of 46: 226, 250.

Eskimo of, physiological data of
46: 247.

exploration of 46: 177.

famine in 18: 269 sq.; 46: 171.

fossil ivory in 46: 88, 101, 174.

graves on 18: 321.

Dr. Aleš Hrdlička's trip to 46: 30.

implements and utensils from 18:

64 sq., 66, 68 sq., 70 sqq., 77 sqq.,
81 sqq., 85, 88, 92, 99, 109 sqq.,
116, 123, 128, 130, 133, 134, 139,
142, 148, 149, 156, 158, 159, 161,
163, 165, 170, 175 sqq., 181, 188,
189, 192.

"jade" adzes from 46: 88.

manufactures from 18: 201, 202.

maps of 46: 176, 181.

ornaments from 18: 58.

people of 18: 23, 28.

population of 46: 209.

sites, dead villages of 46: 209, 210.

skeletal parts from 46: 214–217.

skulls from 46: 231, 235.

skulls of children from 46: 296 sq.

tobacco implements of 18: 282.

toys from 18: 342.

transportation apparatus from 18:
208–211, 213, 215 sq., 218.

visit to 46: 86, 91.

visit to, by E. W. Nelson 18: 21.

St. Lawrence Island Crania

- basiofacial diameters 46: 280 *sqq.*
- compared with Greenland crania 46: 298.
- dental arch 46: 276, 277.
- facial 46: 266.
- facial angles 46: 285.
- means 46: 286.
- mention of 46: 254, 256, 257, 259, 261, 262, 263.
- nose 46: 268, 270.
- orbits 46: 271, 274.

St. Lawrence Islanders

- civilization of 46: 92.
- clothing of 18: 30, 31.
- homogeneity of 46: 358.
- language of 18: 25.
- mention of 46: 162, 164, 167.
- not mixed with Indians 46: 365.
- physical characteristics of 18: 27 *sq.*
- tattooing by the 18: 50, 51, 52.

St. Lawrence River, Wawenock descendants on 43: 176.**St. Lawrence River, Fla.**

- midden ware of 20: 120 *sqq.*
- mortuary ware of 20: 124 *sq.*
- painted ware of 20: 125.
- paste used for pottery of 20: 117.
- pipes found on 20: 141.
- range of pottery of 20: 125.
- stamped ware of 20: 123.

St. Louis

- Omaha name for 27: 101.
- Osage-Cherokee council at 19: 137.
- reference to 27: 136, 625 *sq.*
- site of trading post 27: 82.
- Spanish retention of 19: 68.
- trail to 42: 805.
- treaties of 18: 666, 680 *sqq.*, 688 *sqq.*, 692, 700, 708, 714, 768; 19: 99.

St. Louis, Mo.

- occurrence of salt-making vessels near 20: 28.
- salt-making vessels in museum at 20: 29.

St. Louis County, Mo., salt-making vessels from 20: 31.**St. Louis Historical Society, pottery in museum of** 20: 193.**St. Louis (Minn.) River System, wild rice in** 19: 1035.**St. Lussan, *Sieur de*, commission to Indians executed by** 18: 546 *sq.*

95719°—33—57

St. Marks, Fla., trails from 42: 828.**St. Martin Island. cession of** 18: 700.**St. Mary Falls**

- reservation of fishing right at 18: 700, 758.
- surrender of fishing right at 18: 812.

St. Marys

- cession of reserves by treaty of 18: 702, 752.
- treaties of 18: 690, 692 *sqq.*

St. Michael

- archeology of 46: 165.
- bladder feast in 18: 382.
- buildings in 18: 243 *sq.*, 246.
- clothing from 18: 42, 44.
- discovery of 46: 126, 127.
- Eskimo of 46: 228.
- explorations by E. W. Nelson in 18: 19.
- festival witnessed at 18: 359 *sqq.*
- games witnessed at 18: 332-339.
- grave at 18: 312.
- hospitality of people of 18: 297.
- implements and utensils from 18: 65, 74, 76, 81, 82, 86, 101-104, 106, 107, 109 *sq.*, 115, 116, 121, 128 *sqq.*, 132, 136, 139, 142-145, 148-151, 155, 157 *sqq.*, 161, 164, 167, 168, 172, 175, 177 *sq.*, 180, 184 *sq.*, 187, 188, 192, 194.
- legends from 18: 452, 467-471, 474-481.
- manufactures from 18: 202, 204 *sq.*
- mention of 46: 116, 177, 190, 195, 199.
- mortuary customs at 18: 313 *sq.*
- musical instruments from 18: 351.
- old sites of 46: 170.
- ornaments from 18: 55, 56, 58.
- people of 18: 26.
- ruins at 18: 263.
- ship "bone yard" at 46: 129.
- skulls from 46: 233, 234, 237, 254.
- tobacco implement from 18: 273, 284.
- town 46: 84, 85.
- toys from 18: 341.
- trade station of the Aziags 46: 89.
- transportation apparatus from 18: 216, 217, 220, 223, 228.

St. Michael Island Crania

- basiofacial diameters 46: 279-282.

- St. Michael Island Crania**—Con.
 dental arch 46: 276.
 facial 46: 266.
 facial angles 46: 285.
 means 46: 286.
 mention of 46: 257, 259, 260, 262, 263.
 nose 46: 268, 270.
 orbits 46: 274.
- St. Paul**, a Kamloops chief 45: 264.
- St. Paul Mission** among the Colville 14: 732.
- St Peters**
 reservation at 18: 712.
 treaty of 18: 766.
- St. Peter's Wort**, medicinal use of 42: 664.
- St. Petersburg, Fla.**, collections from mounds near 42: 18.
- St. Regis Indian**
 cession for 14: 26; 18: 730, 742 *sqq.*
 population of the 7: 81.
 racket game of the 24: 592.
See also New York Indian; Seven Nations of Canada.
- St. Regis Mills**, reservation of land at 18: 656.
- St. Stephen's, Ala.**
 a trading point 42: 823, 824.
 description of 42: 824 *sq.*
- St. Tammany Parish, La.**, bowl made by Choctaws at 20: 102.
- St. Thomas**
 number of specimens from 34: 49.
 pestle from 34: 227.
- St. Vincent**
 antiquities from 30: 21
 archeologic reconnaissance of 25: xv.
 number of specimens from 34: 49.
 pottery of 34: 118-122.
 specimens from 34: 90 *sq.*
 visit to shell heaps of 34: 10.
- St. Vincent-Grenada Culture Area** 34: 88-123.
- St. Vitus Dance**, origin of 14: 935.
- Ste. Genevieve, Mo.**, occurrence of salt-making vessels at 20: 28, 29.
- Ste. Marie de Gannentaa**, mission of 43: 461 *sq.*
- Saitkopeta.** *See* Set-k'opte.
- Saiustkea.** *See* Siletz Reserve.
- Saiyataca**, account of 47: 962-967.
- Sakamna** 46: 208.
- Sakapadai.** *See* Tallahasutci.
- Sakawinki** (*Chrysothrix*) monkey 38: § 722.
- Saklan**, stick game of the 24: 248.
- Säk'ota**, Kiowa name of the Cheyenne 14: 1023.
- Sakura Drink** 38: § 262.
- Sala Hina**, Pima potter 28: 140.
- Salab Monwû**, description of 21: 79.
- Salal**, use of 45: 490.
- Salal-Berries**
 cooking of 35: 266.
 dish for 35: 59.
 inferior quality of 35: 269.
 picking of 35: 205.
 preparation of 35: 768, 769.
 preservation of 35: 264-269.
 raw 35: 571.
 with elderberries, long strips of 35: 269.
 with mashed currants 35: 577.
- Salal-berry Cakes** 35: 569, 594.
- Salâ'li**
 Cherokee story teller 19: 237.
 Lanman's account of 19: 166.
 myth told by 19: 476.
- Salamany River Reserve**, cession of 18: 752.
- Sälämobias** of the Zuñi 15: 308.
- Salamopias**, identity of Cipikne with 21: 60.
- Salas Estefania**, on Cempoalan ruins 25: 234.
- Salazar, G. de**, royal factor for New Spain. 14: 596, 597.
- Salazar, José**, reference to 29: 230.
- Salchakat** 46: 125.
- Saldivar, Juan de**
 adventures of, at Tiguex 14: 496.
 companion of Coronado 14: 477.
 Diaz's report to Mendoza carried by 14: 382.
 escape of Indian women from 14: 510.
 explorations by 14: 480.
 Indian village captured by 14: 500.
 lieutenant to Diaz 14: 548.
- Salem, Mass.**
 Indian policy of 18: 605.
 Iroquoian pottery from 20: 168.
 purchase of reserve at 18: 704.
 reservation at 18: 650.
- Salem, Va.**, trail passing 42: 760.

Saliba. *See* **Saliva Indians.**

Salicaceae 33: 72.

Salicornia, a source of salt 38: § 250.

Saliko

Awatobi legend repeated by 17: 603.

on the Awatobi Mamzrautú 17: 611.

Säl'imobiya

and gods, make announcements 23: 90.

presentation of seeds by 23: 140, 141.

station of the blue and yellow 23: 91.

Salinan Family 7: 101.

Saline Creek, Mo., occurrence of salt-making vessels on 19: 31.

Saline or Salt Plains, treaty provisions regarding 5: 250, 300.

Saline River

Indian remains on 42: 807.

salt works on 42: 807.

Saline River, Ill., occurrence of salt-making vessels on 20: 28.

Saline Springs, occurrence of pottery near 20: 23, 27-31.

Salineros. *See* **Seri.**

Sali-sali. *See* **Lonchocarpus Rufescens.**

Salisbury, N. C., trail near 42: 778.

Salish Indians or Tribes

as basket makers 41: 141.

coiled basketry made by the 41: 133, 134.

colors used by, in basketry 41: 146.

distribution of coiled basketry among 41: 154.

funeral customs of 10: 524.

games of the 24:

hoop and pole 491.

racket 562.

stick game 261.

marriage customs of the 17: 286*.

materials used by the 41: 154, 155.

mention of the 41: 136.

mourning colors of the 10: 630.

of Puget Sound 7: 130.

population of the 7: 105.

tattooing among the 10: 407.

work on language of 10: xxiii.

See also **Salishan Stock.**

Salishan Languages

bibliography of, by James Pilling 13: xli; 14: xliii; 15: xxvi, xxxi, xxxv.

preparation of paper on 37: 19.

superseded by Yakima dialect 41: 384.

Salishan Stock

absence of Ghost dance among tribes of 14: 805.

hand games of the 24: 273.

implements employed in stick game by 24: 227.

mention of the 7: 102-105.

tribes of the 24:

Bellacoola 155, 249, 299, 489, 717.

Chilliwhack 249.

Clallam 155, 249, 299, 632, 717, 741, 772.

Clemelemalats 249.

Nisqually 156, 250, 299.

Okanagon 300.

Pend d'Oreille 250, 490, 632.

Penelakut 301.

Puyallup 250, 302.

Quinalet 156.

Salish 261, 491, 562.

Shuswap 156, 252, 302, 390, 491, 632, 773.

Skokomish 253, 609, 703, 717, 773.

Snohomish 156, 263.

Songish 157, 254, 302, 391, 632, 777.

Thompson Indians 157, 254, 302, 390, 491, 552, 609, 710, 742, 773, 806.

Twana 158, 256, 303.

Saliva Indians

a nation of Trinidad 34: 64.

belief of, as to God 30: 117.

burial customs of the 30: 156, 158.

eclipses among the 30: 257 sq.

festivals of the 30: 138.

images used by the 25: 137.

legendary origin of the 30: 142, 143, 145, 146, 254.

mortuary dances of the 25: 70.

twins among the 30: 320, 325.

Salix

species of, used medicinally 42: 655.

use of 44: 292, 342, 344, 378.

Salix Cordata 45: 471.
Salix Interior 33: 73; 45: 465.
Salix Longifolia 45: 498.
Salix Nigra. *See Willow.*
Salix sp. 33: 73; 45: 471, 499.
Sally Wahuhu, pottery making by 20: 53 *sqq.*
Salmeron, Marcos
 on Mame number names 19: 864.
 on Mame numerals 19: 903 *sq.*
Salmeron, Father Zarate, at Acoma 47: 27.
Salmon
 among the Tlingit 26:
 clan name 400.
 house-group name 401, 403, 406.
 in calendar 426.
 in mythology 453, 469.
 popular notions concerning 458.
 source of personal name 406, 422.
 town name 397.
 blistered 35: 308.
 boiled 35: 313.
 bones of, thrown into sea 35: 308.
 carried up by women 35: 224.
 cheeks 35: 329.
 cold roasted 35: 312.
 dry, as a tribute to chief 35: 1334 *sq.*
 eaten with seal blubber 35: 463.
 Eskimo implements for catching 18: 179, 183 *sqq.*, 187, 195.
 Eskimo taboo relating to 18: 440.
 fins and tails 35: 327 *sqq.*
 first ceremonially treated 31: 449.
 fishing 45: 107, 247, 349.
 fishing among Columbia Indians 14: 717.
 fishing among Eskimo, season of 18: 183.
 fresh dried 35: 316.
 green 35: 316.
 guts, boiled 35: 355.
 mention of 46: 55, 57, 116.
 middle part of, soaked 35: 324.
 mush made of 35: 322.
 old, dried 35: 315.
 old, roasted 35: 313.
 origin of, Tsimshian 31: 470.
 pregnant women not allowed to eat 31: 530.
 preserved brittle 35: 310.
 preserved in cellars 35: 237, 322.

Salmon—Continued

refuse of, thrown into river 35: 304.
 roasted 35: 584.
 roasted, eaten after elderberries 35: 569.
 scorched 35: 309.
 scorched, dried 35: 528.
 smoked backbones, boiled or blistered 35: 325, 326.
 soaked green 35: 318, 319.
 split backs 35: 325.
 strips 46: 70, 71, 116.
 sun-dried (Gwasila) 35: 350.
 See also Dog Salmon; Salmon Fisher; Salmonheads; Salmon Nets; Salmon Pemmican; Salmon Skin; Salmon Spawn; Silver Salmon; Sockeye Salmon.
Salmon Berry
 feast 35: 760.
 picking of 35: 211.
 shoots, with herring spawn 35: 428.
 sprouts, with salmon spawn 35: 342, 343.
 use of 45: 482, 483, 486.
Salmon Country, souls of twins go to 35: 727.
Salmon Dance
 of the Kwakiutl 35: 895.
 of the Northwestern Indians 14: 728.
Salmon Fisher, prayer of 35: 1318 *sq.*
Salmon Heads
 boiled 35: 336.
 fresh 35: 321.
 mush of, boiled 35: 338.
 preserved 35: 332.
 steamed 35: 334.
Salmon Nets, Eskimo use of, in capturing birds 18: 133.
Salmon Pemmican
 an article of trade 45: 253.
 preservation of 45: 94 *sq.*
Salmon Skin
 Eskimo clothing made of 18: 31, 36, 39, 43, 44.
 Eskimo uses of 18: 118.
Salmon Spawn
 chewed by painter 35: 343.
 clayey 35: 340.
 for restoring voice 35: 342.
 milky 35: 339.

Salmon Spawn—Continued

- roasted 35: 344.
- sticky 35: 343.
- with fern roots 35: 342, 343.
- with huckleberries 35: 298.
- with paint 35: 236.
- with salmon-berry sprouts 35: 342, 343.
- with seaweed 35: 516.

Salmon Village, abode of souls 35: 714.**Salsipuedes**, discussion of the name 17: 65.**Salsola Pestifer**, introduction of, from Europe 33: 59.**Salt**

- among Pueblo Indians 14: 550, 559.
- an object of trade 42: 740.
- as a commercial product 26: 94.
- found at Zuñi 14: 389.
- found by Spaniards on Great Plains 14: 510.
- gathering, custom of 47: 139.
- gathering, of the Zuñi 23: 354-361.
- Indians making 12: 247.
- made at Big Bone Lick 42: 791.
- making, pottery used for, in Eastern United States 20: 24, 27-31.
- making, pottery used for, in Middle Mississippi Valley 20: 83.
- making, pottery used for, in Ohio Valley 20: 186.
- manufacture of 42: 782.
- means of obtaining 42: 690 *sqq.*
- mention of 38: § 250 *sqq.*, 284.
- natural crystals of, finding of, in Arizona 14: 490.
- not used by the Menomini 14: 286.
- principal deposits of 29: 126, 229, 292, 535 *sqq.*
- source of 27: 342.
- substitutes for 42: 691.
- supply of the ancient Zuñi 13: 353.
- taboos concerning 42: 573, 601.
- Tewa names for 29: 579.
- trade in South America 13: 354.
- trade of ancient Pueblos 13: 354.
- use of, as poison antidote 38: § 716, 930.
- use of, by the Chippewa 44: 318.
- use of, by the Omaha 3: 309.
- use of, for fits 38: § 928.
- vessels for production of 44: 487.

Salt—Continued

- when taken at busk 42: 573, 578, 598, 601, 603, 604.

See also **Salt Makers**; **Salt-making Vessels**.

Salt Bush

- in basketry 26: 135.
- in Pima mythology 26: 232.
- Pima food plant 26: 69, 71, 73, 77, 78, 84.
- use of, in ceremonies 30: 88.
- use of, in medicine 30: 44.

Salt Clan

- associations of 42: 148.
- native names for 42: 116.

Salt Creek, reference to 27: 342.**Salt Kettle Pottery** 12: 167, 683, 696.**Salt Lake**

- crania from 46: 260.
 - mention of 46: 86, 117, 118, 202.
 - old sites about 46: 197.
 - Zuñi description of 23: 354.
- See also* **Great Salt Lake**.

Salt Lake City, pottery from site of 20: 201.**Salt Lake City Museum**, pottery in 4: 292, 300.**Salt Lake Valley**, pottery of 4: 292.**Salt Lick, Ky.**

- mounds near 44: 408.
- trail near 42: 785.

Salt Lick Creek, trail along 42: 787.**Salt Licks**, buffaloes at 41: 611.**Salt Makers**, settlement of, in Kentucky 42: 782.**Salt-making Vessels**

- size of 20: 60, 88.
- specimen of, showing fabric impressions 20: 70, 73.
- tempering of 20: 83.
- use of clay molds in manufacture of 20: 71.

Salt Old Woman

- a supernatural 47: 343.
- ceremony of 47: 336.

Salt Pans, description of, by Bushnell 41: 526.**Salt River**

- character of water of 26: 87.
- migration of Rso'túk Pima to 26: 54.

Salt River, Pima village

- calendar narrative of 26: 38-66.

- Salt River, Pima village**—Continued
 day schools of 26: 34.
 mention of 26: 23.
- Salt River Reservation**, description of 26: 54.
- Salt River Valley**
 ancient migration route 28: 157.
 antiquities of 28: 17, 119; 29: 20.
 concretions and crystals from 26: 111.
 figurines of quadrupeds from 28: 135.
 in Pima mythology 26: 215.
 legendary home of the Pima 28: 51.
 references to 28: 35, 55, 147.
 stone for axes found in 26: 110.
See also **Gila-Salt Region**.
- Salt Woman**
 in Navaho genesis 17: 488.
 story of 47: 139.
- Salt Works** on Saline River 42: 807.
- Saltis, Chief**, force led by 45: 128.
- Salton Sea**, Indian belief concerning 14: 804.
- Saltville, Va.**
 development of 42: 752.
 trails of 42: 749, 753, 759, 772.
- Salutations**
 among the Eskimo 9: 422.
 among the Guiana Indians 38: p. 620-631.
 forms of 42: 447, 449; 44: 247.
See also **Greetings**.
- Salvador, F. S.**, on Seri relation to missions 17: 761.
- Salvagay**, a nation of Trinidad 34: 64.
- Salvatierra, Father Juan Maria**
 on Californian saguaro harvest 26: 72.
 visit of, to Seriland 17: 67, 69.
- Salverte, Eusebe**
 cited on amulets 9: 578.
 cited on Indian medicine-men 9: 458, 464.
 cited on Roman covenant bread 9: 540.
- Salvia Columbaria Benth.**, Pima food plant 26: 77.
- Sam, Watt**, Natchez informant 42: 478, 624.
- Samahmish**. *See* **Dwamish**.
- Samako**, Carib water jar 38: § 389.
- Samana Bay**, origin of former name 25: 209.
- Samaniego, Lope de**
 appointment of, as army master 14: 477.
 death of 14: 383, 480, 547.
 testimony concerning 14: 597.
- Sambucus Caerulea** 45: 474, 490.
- Sambucus Canadensis**
 medicinal use of 42: 661.
 mention of 33: 115; 45: 474.
- Sambucus Racemosa** 45: 489.
- Sambura**, drum 38: § 579.
- Same**, sign for 1: 385.
- Samee or Samec Hammock** 38: § 459.
- Samilkanuigh**, an Okanagon division 14: 734.
- Sammons, Thomas**
 material furnished by 24: 252.
 on stick game, Puyallup 24: 250 *sqq.*
- Samo Wüqtaka**
 association of, with Hopinyu 21: 112.
 derivation of 21: 125.
- Samo Wüqtaka Katcinas**, appearance of, in Palülüköñti 21: 52.
- Samoa**
 people of 3: 148.
 tattooing in 10: 410 *sq.*
- Samoa**, by Rev. George Turner, quoted 4: 77.
- Samoan**
 and Central American similarities 16: 236.
 and Zapotec terms, comparison of 16: 262.
- Samoyed**, message of demand of the 10: 375.
- Samson Occum**, mention of 43: 211.
- Samur**, drum 38: § 579.
- San Agostin**, celebration in honor of 47: 290.
- San Antonio, Tex.**
 highway through 42: 831.
 mission at 42: 832.
 number names from 19: 881.
 trails to 42: 823, 829.
- San Antonio Mission, Calif.** 7: 101, 102.
- San Antonio Language** 7: 75.
- San Antonio Springs, N. Mex.**
 petroglyphs at 10: 97.

- San Antonio Springs, N. Mex.**—Con.
 pictographs at 4: 34.
 pottery of 4: 344.
- San Augustine, Fla.** *See* **St. Augustine.**
- San Augustine, Tex.**, mission at 42: 832.
- San Benitos**, description of 14: 507, 515.
- San Bernabe**, mission name of Shuño-povi 17: 607.
- San Bernardino, Calif.**
 pictographs reported near 10: 62.
 rock carvings at 4: 30.
- San Bernardino Mountains** in Pima legend 28: 47.
- San Bernardo**, mission name of Awatobi 17: 594, 595, 599.
- San Blaseños, Tex.**, name for Tule Indians 42: 10.
- San Buenaventura**
 Anza expedition at 44: 48.
 Indians of 7: 67, 68.
 Portola expedition at 44: 37, 42.
- San Buenaventura, Rancherias de**, reached by Anza expedition 44: 47.
- San Carlos Addition to the White Mountain Reserve**
 change in 18: 864.
 establishment of 18: 860.
- San Carlos Apache**
 population of 7: 56.
 Tewa name for 29: 576.
See also **Apache**, *San Carlos.*
- San Carlos Valley Ruins**, archeologic specimens from 26: xx.
- San Diego**
 pictographs at 4: 37.
 pueblo of 14: 525.
 tale related of 47: 180–189.
- San Diego County, Calif.**, petroglyphs in 10: 63.
- San Escapula**, date of ceremony of 47: 289.
- San Esteban Island.** *See* **Isla San Esteban.**
- San Estevan**
 Acoma supernatural 47: 67.
 fiesta of 47: 102–106.
See also **San Estevan, Fiesta de.**
- San Estevan, Fiesta de**, witnessing of 19: XIII.
- San Felipe**
 establishment of 19: 27.
 population of 7: 83.
 pueblo of, act of Congress affecting 18: 920.
 pueblo of, mention of 14: 525.
 reference to kateinas of 47: 1013, 1029, 1079.
 return of Payupki to 8: 41.
- San Felipe Indians**
 language of 29: 521.
 legend of 29: 447.
 mineral paint deposits 29: 552.
 name for 29: 574.
- San Fernando de Barracas**, surrender of 19: 81.
- San Francisco**
 collections at, from Alaska 46: 167.
 early name of Rio Verde 13: 186.
- San Francisco Bay** overlooked by Ferrel 14: 412.
- San Francisco de los Tejas**, building of 42: 829.
- San Francisco Mountain**
 cavate lodges near 13: 217, 223, 225.
 exploration of ruins near 7: XVIII–XXI.
 name given to, by Tewas 21: 105.
 petroglyphs near 10: 48 sq.
 Turkwinû derived from 21: 95.
- San Gabriel**, herder's notched sticks from 4: 81 sq.
- "San Gabriel,"** vessel in Alarcon's fleet 14: 385.
- San Gabriel River**, pictographs on 4: 56 sq.
- San Hieronimo de los Corazones**
 description of town of 14: 515.
 destruction of 14: 530.
 events in, during Diaz's absence 14: 501.
 founding of 14: 484.
 settlement of, under Diaz 14: 406.
- San Ildefonso Indians**
 besieged by Diego de Vargas 29: 294 sq.
 cardinal mammals of 29: 43.
 cardinal mountains of 29: 44.
 dances of 29: 295, 308.
 legends of 29: 306, 315, 329.
 month names of the 29: 62–66.
 mythology of the 29: 272, 274, 295, 296, 298 sq., 331, 536 sq.

San Ildefonso Indians—Continued

- origin of 29: 283.
- population of the 7: 123.
- pottery of the 29: 308.
- sacred lakes of the 29: 44 sq., 251, 263 sq., 309 sq., 322.
- sacred mountains of the 29: 348.
- salt supply of the 29: 292.
- shrines of the 29: 308.

San Ildefonso Pueblo

- act of Congress affecting 18: 920.
- people of 26: xviii.
- researches at 30: 16.

San Imrio land cessions and reservations

- 18: 782, 788.

San Jacinto, battle of

- 19: 223.

San Joaquin de la Laguna, reached by expedition

- 44: 49.

San José, Ariz.

- cinerary urn found near 22, i: 181 sq.
- Pueblo pottery found near 22, i: 173.
- ruin at 28: 118.

San José de Pueblo Viejo. See Pueblo Viejo.**San José de Guaymas. See Guaymas.****San Juan**

- a Tewa pueblo 8: 37.
- collection from 2: 416, 430, 456.
- headdress from 17: 734.
- pictographs at 4: 34.
- pottery of 4: 274, 281, 284-287, 291.
- pueblo of 14: 510.
- See also* St. Johns; San Juan Pueblo.

San Juan Bautista, mention of

- 42: 829, 830.

San Juan Capistrano, a Pima village

- 26: 20.

San Juan Capistrano de Uturituc

- reference to 28: 37.
- visited by Font 26: 29.

San Juan Indians

- agriculture of 29: 215.
- cardinal mammals of 29: 43.
- cardinal mountains of 29: 44.
- conduct of, in rebellions, 1680-1694 29: 213.
- dance of 29: 119.
- dialect of the 29: 136 sq.
- divinities of the 29: 201.

San Juan Indians—Continued

- general data on 29: 230.
- irrigation of 29: 230.
- legends of 29: 208, 214 sq.
- month names of 29: 62-66.
- mythology of 29: 229, 536 sq.
- population of 7: 123.
- pottery of 29: 203, 208.
- race tracks of the 29: 211, 217.
- sacred mountains of 29: 222, 348.
- shrines of 29: 222.
- visit of, to Washington 34: 28.
- work among, of J. P. Harrington 47: 3; 48: 7.

San Juan Pueblo

- act of Congress affecting 18: 920.
- people of 26: xviii.
- See also* San Juan.

San Juan Region

- pottery from the 28: 138, 140.
- ruins in 28: 151, 194.

San Juan River

- cavate lodges on 13: 222.
- establishment of reserves on 18: 868, 892.
- naming of, by Coronado 14: 586.
- petroglyphs near 10: 73.
- petroglyphs on 10: 74 sq.

San Juan Teotihuacan, Mexico,

- ruins at 26: xiv.

San Juan Valley, collection from

- 19: xxix.

San Juan's Day, celebration of

- 47: 289.

San Lucas Islands, death of Cabrillo in

- 14: 411.

San Luis Obispo, natives of

- 7: 67.

San Luis Rey

- land cessions and reservations 18: 788.

See also Mission Indians.

San Luis Rey Mission, Calif.

- 7: 138.

San Luiseño Indians, origin of the name

- 24: 324.

San Marco, Fla.

- character of pottery collected at 20: 127 sq.
- ideas as to origin of stamp decoration suggested by work at 20: 123.
- occurrence of pottery animal heads at 20: 128.

San Marcos Indians, ownership of turquoise deposits by

- 29: 493.

- San Marcos Pass, Calif.**
 petroglyphs near 10: 64.
 pictographs at 4: 36.
- San Mateo Mountains, Indians near**
 6: xxxix.
- San Miguel de Guevari, mention of**
 26: 28.
- San Miguel Language** 7: 75.
- San Miguel Mission, Calif.** 7: 101, 102.
- San Pasqual.** *See Mission Indians.*
- San Pedro Bay, visited by Flevel** 14: 412.
- San Pedro River**
 field work along 22, i: xii.
 in Arizona, mention of 14: 387.
 ruins along 26: 25 sq.; 29: 16.
- San Pedro Valley**
 references to 28: 54, 118, 121, 220.
 valley visited by Niza 14: 359.
- San Pete Reserve, establishment of**
 18: 830.
- San Pete Uta, executive order affecting** 18: 892.
- San Pitche Uta, establishment of reserve for** 18: 825.
- San Poel land cessions and reservations** 18: 856, 858.
- San Rafael Valley, field work in**
 22, i: xiii.
- San Roque, naming of** 44: 38.
- San Seferino de Napgub, Pima village** 26: 20.
- San Xavier del Bac**
 mission of 26: 28.
 reference to 28: 54.
 reservation at 18: 876.
- Sanborn, J. B., treaty commissioner**
 17: 193.
- Sanborn, John P., jr.**
 service of 27: 12.
 work of 26: xxix.
- Sanborn, John W., material collected by** 24: 412.
- Sanche, Philip, records made by**
 47: 8.
- Sanchez, Alonso, soldier with Coronado** 14: 597, 598.
- Sanchez, Pero, effect of Friar Marcos' report to** 14: 366.
- Sanctuary**
 for depositing sacred paraphernalia 42: 183, 184, 185 sq.
- Sanctuary—Continued**
 of the Osage 36: 54.
 plates kept in 42: 503.
- Sand**
 bed, use of, in Navaho ceremonial to absorb disease 8: 250, 251.
 ceremonial sprinkling of, in field 16: 288, 305.
 form of vessel intended to rest on 20: 61.
 mixture of, with clay to make plaster and cement 20: 37.
 mosaics in Hopi ceremonies 15: 261.
 pictographs on 10: 210 sqq.
 use of, as tempering material 20: Eastern United States pottery 46, 47, 53, 59, 60.
 Middle Atlantic Coast pottery 148, 151, 155, 179.
 Southwestern pottery 193, 199, 200.
 South Appalachian pottery 138.
 use of, in drilling 13: 165.
 use of, in Tusayan ceremony 15: 279, 288.
See also Materials; Quartz; Rock; Sand Mounds; Sand Painting; Sand Pictures; Sandstorms.
- Sand Burial, as protection against mosquitoes** 38: § 933.
- Sand Canyon, ruins in** 40: 3.
- Sand Cherry** 33: 88.
- Sand Clan**
 same as Nān clan 19: 615, 616, 620.
See also Tüwa Clan.
- Sand Fleas, plague of; a possible cause of abandonment of pueblos on Little Colorado River** 22, i: 22.
- Sand Mounds**
 at altars 19: 990, 991.
 burial, of Calusa origin 48: 4.
 Florida Peninsula, burial in 20: 119.
 Florida Peninsula, pottery of 20: 127.
 Gulf Coast, pottery of 20: 107.
See also Müiyiñwü.
- Sand Paintings**
 among the Navaho 17: 501, 513.
 among the Sia 11: 77.
 antiquity of 23: 415.
 colors used in 8: 237.

Sand Paintings—Continued

description of 8: 260, 261, 262, 264, 265.

disposition of sand after the ceremony 8: 241, 261, 264.

made for naming ceremony 47: 133.

made for scalp dance 47: 100.

manner of laying on colors 8: 239-248.

Navaho ceremonial, learned by the Navahos from the Pueblos 8: 236.

Zuñi, making of 23: 491.

Sand Pictures

at Cipaulovi 16: 278.

at Cuñopavi 16: 287.

at Hopi altars 19: 966, 968, 982, 995.

at Oraibi altar 16: 291.

ceremonial 5: 422, 423, 427, 428, 429.

Sand-spits of Seriland, features of 17: 42.

Sandals

found in Honanki 17: 573.

in cavate lodges 13: 228.

of fiber 13: 358.

of rare form 44: 9.

of the Guiana Indians 38: § 553.

of yucca found in Canyon de Chelly 8: 133.

use of 30: 212.

woven, described and figured 13: 34, 35.

See also **Shoes; Slippers.**

Sandbar Willow 33: 73.

Sanderson, J. G., acknowledgment to 44: 437.

Sanderson, J. O., collection secured by 42: 19.

Sandhill Crane Beans, use of, in folklore 30: 85.

Sandia

Hopi name for 17: 584.

inhabitants of, descent of 22, i: 19.

lands of, deed to Isleta 47: 204.

masked dance of 47: 344.

name for Acoma at 14: 492.

population of 7: 123.

population of, reduced by influenza 47: 204.

pueblo of, act of Congress affecting 18: 922.

pueblo of, mention of 2: 433.

Sandia—Continued

settled by Tanoan people from Tusayan 17: 584.

visit to 22, i: 18, 19.

Sandia, N. Mex., collection from 2: 458.

Sandia Indians, references to 29: 37, 477.

Sandpaper. *See* **Curatella.**

Sandstone

for grinding berry cakes 35: 267.

for rubbing down horn 35: 103, 109, 127, 144, 157.

for sawing 35: 109.

Tewa name for 29: 582.

used in Pueblo construction, method of quarrying 8: 225.

Sandstorms

effect of, at Casa Grande 28: 42.

in Canyon de Chelly 16: 94.

Sandusky Bay, trail to 42: 757, 786.

Sandy Desert, legend of 43: 259.

Sandy Lake

cession of reserve at 18: 830.

reservation at 18: 802.

Sanford, Colonel—, troops under, in Sioux outbreak 14: 850.

Sanford's Mill, Ariz., description of 28: 34 sq.

Sanger, Col. J. P., on population of Porto Rico 25: 25.

Sanger Beaver, information from 42: 545, 547.

Sanguinaria Canadensis

medicinal constituents of 44: 305.

medicinal properties of 44: 302.

mention of 33: 83.

use of 44: 293, 344, 369.

***Sān'iaḱiaḱwe** (*Hunter's Fraternity*)

and gods, dancing of 23: 90.

peculiarity of 23: 417.

See also **Hunter's Fraternity.**

Sanicula Canadensis

medicinal constituents of 44: 305.

medicinal properties of 44: 302.

use of 44: 293, 358, 360.

Sanitary Regulations among Cherokee Indians, neglect of 7: 332, 333.

Sanitation

at Acoma 47: 30.

Guiana Indian 38: § 935.

Sanitika, Pawnee name of the Arapaho 14: 954.

- Sanjurgo, Alvaro de**, representative of De Soto in Mexico 14: 380.
- Sänko**, Kiowa name of the Comanche 14: 1043.
- Sanpoil Indians** *or* **Tribe**
 and Nespelim affinity 14: 724.
 and Spokane affinity 14: 733.
 basketry of 41: 154, 155, 157, 414.
 derivation of the name 45: 198.
 divisions of the 45: 208.
 Flathead name for 45: 300.
 imbrication learned by 41: 140.
 Indian names for 45: 198, 199, 200.
 intercourse of, with other tribes 45: 215.
 population of the 45: 212.
 shapes made by 41: 141.
 sketch of the 14: 733.
 trays made by 41: 138.
See also **Sans Puelle**.
- Sans Arcs**
 a Teton division 14: 1059.
 definition of 4: 98.
 definition and habitat of 15: 160.
 mention of 4: 93, 94, 109, 118, 122, 134.
- Sans Puelle**
 a Sanpoil synonym 14: 733.
 population of 7: 105.
See also **Sanpoil**.
- Sanson d'Abbeville, N.**
 on Pecos 29: 476.
 on Taos 29: 182.
- Sanssouci, Louis**
 cited on beliefs 11: 370.
 reference to 27: 626.
- Sanssouci, village of** 13: 271.
- Santa Ana, General**—
 barracks of 25: 243.
 defeat of, by Houston 19: 223
- Santa Ana**
 collection from 2: 458.
 population of 7: 83.
 pueblo of, act of Congress affecting 18: 922.
 pueblo of, mention of 14: 525.
- Santa Ana Indians**
 early homes of 29: 515, 522 *sq.*
 language of 29: 521.
 name for 29: 574.
- Santa Barbara**
 applied as family name 7: 67.
 coloring matter of pictographs in 10: 221.
- Santa Barbara**—Continued
 founding of presidio at 44: 49.
 Indian village at 44: 35.
 pictographs at 4: 35, 36, 37; 6: XLII.
 visit of Ferrel to 14: 412.
 visited by Alfred Robinson 44: 55 *sq.*
 visited by Vancouver expedition 44: 50–54.
- Santa Barbara County, Calif.**, archaeological work in 42: 9.
- Santa Barbara Indians**
 games of the 24:
 hoop and pole 421, 472.
 shinny 628 *sq.*
 language of the 7: 101.
 linguistic work of H. W. Henshaw among 6: xxxi *sqq.*
 perforated stones of 13: 98.
 shell-drilling by the 13: 165.
 village of 41: 107, 108.
- Santa Barbara Islands**, legends concerning 44: 59.
- Santa Barbara Mission**
 founding of 44: 49.
 model of 30: 15.
- Santa Catalina Mountains**
 field work in 22, i: xiii.
 in Pima mythology 26: 266.
 references to 28: 48, 112.
- Santa Clara**
 ancient pueblos of 13: 225.
 black pottery from 2: 430.
 cavate lodges near 13: 217, 224.
 collection from 2: 415, 441.
 doubtfully identified with Ká pang 8: 37.
 exploration of ruins near 7: xxi–xxiv.
 language of 7: 92.
 population of 7: 123.
 researches at 30: 16.
 ruins near 26: xviii.
 visit of Ferrel to 14: 412.
- Santa Clara Indians**
 cardinal mammals of 29: 43.
 cardinal mountains of 29: 44.
 month name of 29: 62–66.
 mythology of 29: 536 *sq.*
 occupied by Tewa 29: 37.
 origin of 29: 237 *sq.*
 sacred lakes of 29: 251.
 sacred mountains of 29: 348.

Santa Clara Indians—Continued
 shrines of 29: 249.
 visit of, to Washington 34: 23.
 work among, of Mrs. M. C. Stevenson 26: xvii.

Santa Clara Pueblo
 act of Congress affecting 18: 920.
 researches in 28: 11.
See also Santa Clara.

Santa Clara River, pottery on 4: 287.

Santa Cruz, Alonso de, early map of City of Mexico by 14: 363.

Santa Cruz
 colony at, under Cortez 14: 351.
 collection gathered at 34: 12.
 natives of 7: 67.
 number of specimens from 34: 49.
 visit of Ferrel to 14: 412.

Santa Cruz, Calif., natives of 7: 71.

Santa Cruz River in Arizona 14: 387.

Santa Cruz, Upper, pottery from 28: 137.

Santa Elena, settlement of 19: 27.

Santa Fé, N. Mex.
 ruins at 26: xv.
 treaty of 18: 788.

Santa Fé Expedition. *See Texans.*

Santa Fé Railroad, extension of, to Phoenix, Ariz. 26: 63.

Santa Fé Traders
 Comanche attack on 17: 286.
 smallpox communicated by 17: 275.

Santa Fé Trail
 decline in raids on 17: 287.
 menace of, by Indians 17: 182.
 protection of, against Kiowa raids 17: 173.

Santa Inez Indians 7: 67.

Santa Lucia
 artifacts from 34: 93.
 celts and axes from 34: 131.
 number of specimens from 34: 49.

Santa Lucia Cosumalhuapa, Guatemala, sculptures of 10: 226.

Santa Magdalena de Tepoca, location and duration of 17: 69 sq.

Santa Rita, Honduras, mounds at 19: 661.

Santa Rosa Islanders 7: 67.

Santa Rosa Mountains in Pima mythology 26: 255.

Santa Theresa, Pima ranch 26: 20.

Santa Ynez Mountains, pictographs on 4: 34, 36.

Santa Ysabel Reserve, establishment of 18: 884.

Santan, Pima village
 Apache-Pima fight at 26: 44.
 chief of 26: 24.
 dance at 26: 60.
 factional fighting at 26: 56 sq.
 in Pima mythology 26: 227.
 in Pima song 26: 281.
 mention of 26: 23.
 ruin at 26: 24.
 sacred place in 26: 256.

Santan Hills
 fights in 26: 44, 45.
 shrines and pictographs in 26: 254.

Santareni, Brazil, coiled pottery at 4: 276.

Santco, death of 26: 61.

Santee
 absence of Ghost dance among the 14: 816.
 attack on Omaha 27: 100.
 definition of 4: 98.
 divisions and habitat of the 15: 160.
 divisions of the 14: 1058.
 early habitat of the 15: 190.
 feather work of the 13: 27.
 former status of the 15: 215.
 mention of the 4: 124.
 Omaha name for the 27: 102.
 Ponca name for the 27: 103.
 population of the 7: 116.
 storehouses of the 19: 433.
 whites massacred by the 15: 190.
See also Santee Sioux.

Santee Dakota. *See Dakota.*

Santee River, trade on 42: 739.

Santee Sioux
 calendar stick among the 26: 35.
 party to treaties 27: 622, 623.
See also Santee; Sioux.

Santiago, Señor —, acknowledgment to 25: 86.

Santiago, Mrs. Alice de, collection presented by 42: 18.

Santiago (1), use of, as war cry 14: 388, 483, 565.

Santiago (2), legend concerning 47: 27.

Santiani, population of 7: 82.

Santo Domingo
 aboriginal art in 25: 142.

Santo Domingo—Continued

- aborigines of 25: 219.
- amulets of 25: 139.
- archeological reconnaissance of 25: XIV sq., XXVI.
- as a folklore field 25: 75.
- belief of people of, regarding caves 25: 156 sq.
- celt from 34: 131.
- collection from 2: 409, 450.
- culture of natives of 25: 91, 214.
- dance plazas of 25: 80 sq.
- native pottery of 25: 179 sq.
- number of specimens from 34: 49.
- pictography in 25: 148 152 sq., 156 sq.
- population of 7: 83.
- prehistoric inhabitants of 24: XIII sq.
- relationship of people of 25: 26.
- resistance of natives of, to Spaniards 25: 31.
- weapons of 25: 209.

Santo Domingo Indians

- communal hunts of 29: 414.
- general data on 29: 451.
- language of 29: 521.
- location of, in 1692 29: 405.
- name for 29: 574.
- pottery of 29: 455 sq.

Santo Domingo Pueblo

- act of Congress affecting 18: 920.
- mention of 2: 433; 14: 525.
- settlement of the Asanyumu 8: 30.
- See also* Tukwi.

Sanya, Tlingit town (=gāc) 26: 397, 409, 415.

Sanya, Tlingit tribe

- affinities of 26: 410.
- clans and house groups of 26: 400.
- mention of 26: 396.
- phratries and clans of 26: 398, 408.

S'laodā'n, Tlingit town 26: 397.

Saona, number of specimens from 34: 49.

S'a'-opuk, Pima village 26: 23.

Sa-pa-ga. *See* Set-pä'go.

Sä'pani, Shoshoni name of the Gros Ventres 14: 955.

Sapera, Carib bowl 38: § 389.

Sapiel Selmo, Passamaquoddy chief 10: 338.

Sapilla 46: 92.

Sapir, Dr. Edward

Abnaki forms from 28: 286.

Sapir, Dr. Edward—Continued

- acknowledgments to 28: 225; 29: 12; 40: 11.
- examples of Montagnais from 28: 248.
- on Delaware and Ojibwa dialects 28: 290a, 290b.
- on Malecite form 28: 287.
- on Rupert's House Cree and Montagnais 28: 247.
- references to 28: 228, 238, 239, 278, 290.
- sketch of Takelma grammar by 33: 29.
- work of 26: XXII; 27: 9; 28: 15; 40: 12.

Sapium 38: § 23.

Sapodilla 38: § 247.

Sapona Indians

- beliefs of the 11: 501, 518.
- sweat lodges of the 42: 689.

Sapona, Old, trail to 42: 777.

Saponi Indians

- account of the 42: 777 sq.
- incorporation of, with Cayuga Iroquois 42: 778.
- trail from town of 42: 764.

Sapling

- a man-being in Iroquoian cosmology 21: 196, 201, 208, 218, 219, 302, 312, 315, 325, 328, 331, 333, 335.

See also Tharonhiawakon.

Sapling Grove, now Bristol 42: 759.

Sapper, Dr. Carl, paper by 24: XXXII.

Saq'tē'nedi, Tlingit clan

- affinity of 26: 410.
- phratry and tribe of 26: 399.

Sara Indian

- division of the 15: 165.
- mention of the 42: 691.

See also Cheraw; Xuala.

Saraminuka, a Winnebago leader 14: 700.

Sarapa, barbed composite arrow 38: § 141.

Sararacca, harpoon arrow 38: § 143.

Sarasota Bay, Fla., researches at 27: 10 sq.

Sarau

- hammock 38: § 463, 464.
- ite twine 38: § 58, 59.

Sarcel's Village, location of 37: 51.

- Sarcobatus Vermicularis**, food for stock 26: 84.
- Sarcoxierville**, treaty of 18: 822.
- Särētika**, Comanche and Shoshoni name of Arapaho 14: 954.
- Sargent, Homer E.**
 acknowledgments to 37: 19, 20; 40: 12; 45: 25.
 generosity of 31: 19.
 investigation financed by 41: 131.
 work supported by 39: 21.
- Sä'riyo**, treaty signed by, in 1867 17: 186.
- Sarlilso**, a Spokane synonym 14: 732.
- Sarnia, Manuel Maria** on landing place of Columbus 25: 33.
- Sarracenia Purpurea**, use of 44: 293, 378.
- Sar-ray-num-nee**, Menomini treaty signer 14: 28.
- Sarrochau's Village**, location of 37: 51.
- Sarsaparilla**
 medicinal use of 42: 658; 43: 266.
 wild, use of 44: 286; 45: 471, 489.
See also Aralia Nudicaulis.
- Sarsarppkin's Band of Nez Percé**, allotment of land to 18: 917, 920.
- Sarsi**
 absence of Ghost dance among the 14: 817.
 Flathead name for the 45: 302.
 games of the 24:
 hand game 272.
 hoop and pole 460.
 Kiowa name of the 17: 330.
 Kiowa visits to 17: 160.
- Sartorius**, on pyramids near Huastusco 25: 241.
- Säsa'bä-ithi**, an Arapaho division 14: 957.
- Sash (1)**
 appearance of, in pictures of Hopi kateinas 21: 68, 75, 76, 78 *sqq.*, 82, 86, 96, 99, 100, 108.
 medicine, of the Apache 9: 593.
 wearing of, on shoulder, by the Hopi kateinas 21: 105.
- Sash (2)** of rude construction in window openings 8: 196.
- Sash Dance**, appearance of, in representation of Hopi kateinas 21: 68.
- Sa-sis-e-tas**, a synonym of the Comanche 14: 1023.
- Saskatoon**
 mention of 33: 87.
 use of 45: 485, 487, 488, 489, 490, 496.
- Sassafras**
 in Cherokee lore 19: 422.
 medicinal use of 42: 652, 661; 43: 266.
- Sastean Family** 7: 105.
- Sasteitei**, four-stick game of the 24: 333.
- Sa-ta-more.** *See Set-emâ'-i.*
- Satan**, absence of belief concerning 11: 371.
- Satana.** *See Set-t'aiñte.*
- Satank.** *See Set-ängya.*
- Sa-tan-ta.** *See Set-t'aiñte*
- Satchel**
 basket 38: § 442.
 mat 38: § 399.
See also Bags.
- Satciny Vâ**, account of 26: 50 *sq.*
- Sateneja**, mounds at 19: 690 *sq.*
- Sa-tim-gear.** *See Set-ïmkia.*
- Satsika (Blackfeet) Indian**
 insignia of Tail-bearers of 10: 429.
 petroglyph 4: 227.
 societies of 10: 528 *sq.*
See also Blackfeet.
- Satsop**, mention of 41: 136.
- Satsup**, population of 7: 105.
- Sauce**
 Arubé 38: § 249.
 mention of 38: § 248, 249.
- Saucer** from Four-mile ruin, decoration on 22, i: 142.
- Saucy Calf**
 account of 45: 529 *sq.*
 death of 45: 538.
 mention of 43: 89.
 origin of the name 45: 529.
 ritual recited by 45: 533.
- Saucy Chief** on Osage social customs 15: 235.
- Sauer, Martin**
 cited 46: 372.
 History of Com. Jos. Billings's Voyage cited as to labrets 3: 90.
 History of Com. Jos. Billings's Voyage cited as to maskettes 3: 128, 138.
 on Aleutian mummies 1: 135.

Sauhto, Caddo name of the Comanche
14: 1043.

Sauk Indian or Tribe

bark lodges of the 13: 271.
ceremonies of, correspond to Fox
40: 504.

culture hero of 40: 375.

data on Scalp and War dances of
40: 547.

enslavement of captives by the 14:
35.

expulsion of the 14: 16.

fasting among the 40: 546.

Foxes and Pottawatomies, surface
burial among 1: 151.

gentes of, reference to 40: 502.

Ghost dance among the 14: 902.

habitat of the 28: 290.

land cessions and reservations 18:
650, 666, 680, 706, 710 *sq.*, 726,
736, 760, 762, 766 *sq.*, 778, 792,
822, 824, 842, 858, 886, 918, 922,
938 *sq.*

linguistic investigations among 28:
225; 47: 3.

Omaha name for the 27: 102.

population of the 19: 1108, 1109,
1110.

preparation of paper on the 42: 7.
reference to the 40: 548.

study of dialects of the 23: xxxv.

study of history of the 30: 19, 20.

tribal names for, and meanings 19:
1050.

See also **Sac Indian; Sauk and
Foxes; Sauk Language.**

Sauk and Foxes

absence of Ghost dance among the
14: 816.

allied with Tecumtha 14: 685.

coalition of tribes, history and mi-
grations 19: 1050 *sq.*

Comanche war party against 17:
302.

defeat of Kiowa and others by 17:
174.

expulsion of, from Green Bay 14:
19.

games of the 24:

cat's cradle 762.

dice game 85 *sq.*

double ball 647, 654 *sq.*

hidden ball 345.

hoop and pole 448 *sq.*

Sauk and Foxes—Continued

games of the 24—continued

popgun 758.

racket 564, 572 *sq.*

ring and pin 528, 542.

shinny 616, 622.

snow-snake 407 *sq.*

stick games 232.

tops 735.

influence of Potawatomi prophets
among 14: 706.

Kiowa fight with 17: 297.

language, grammatical notes on 26:
xxi.

linguistic work among 24: xxiii.

party to treaty 27: 622.

population of, consuming wild rice
19: 1051.

territory occupied by the 37: 77.

work among the 39: 18 *sq.*

See also **Fox Indians; Sauk Indian.**

Sauk County, effigy mounds in 37:
98.

Sauk Language

certain forms in 28: 239.

description of 28: 252-255, 258-
261.

examples in comparison with 28:

Cree, Micmac 288.

Eastern-Central Algonquian 237.

Fox, Peoria 272, 288.

Kickapoo, Menomini, Ojibwa,
Shawnee 272.

independent mode in 28: 289.

noun endings of 28: 272.

pronunciation of 28: 227.

relationships of 28: 238, 244, 289.

See also **Fox; Kickapoo.**

Sault Ste. Marie

reference to 28: 290.

treaty of 18: 700.

Sault Ste. Marie Chippewa land
cessions and reservations 18:
810, 812.

Saulteaux, origin and migration of
19: 1039 *sq.*

Saumingmiut Eskimo Tribe, situa-
tion of 6: 424.

Saunders, D. W., on wild rice in
South Dakota 19: 1032.

Saura Prong of Occaneechi Path
42: 777.

Saura-Saponi Trail 42: 765.

- Saura Town**
location of 42: 765, 777, 779.
trail to 42: 776.
- Sau-say-man-nee**, Menomini treaty signer 14: 28.
- Saussaye, P. D. Chantepie de la**, on animism and religion 15: 254 note.
- Sauteurs**, use of nets by the 13: 26.
- Sauxpa**. *See* Waxhaw.
- Savage, James**, on natural products of Nebraska 14: 528.
- Savage, T. H.**, mound investigation by 14: 36.
- Savagery**
automacy of 17: 176* sq.
characters of 17: xxxi sqq.
definition of 15: cxv.
discussion of 20: xci-civ.
features of 19: xlix.
governments of 20: xci-civ.
matronymic system characteristic of 21: xxi.
methods for securing happiness devised in 20: cxxviii sqq.
pottery making during 20: 24.
psychic index of 23: xxi.
social organization in 22, i: xxiv-xxvii.
societies in 20: cv.
- Savanhaugay**
part of, admitted to Creek Confederacy 42: 47.
See also Shawnee.
- Savanna**. *See* Shawano.
- Savanna Dog**. *See* Maikang.
- Savannah, Ga.**,
located on site of Yamacraw settlement 42: 38.
trail to 42: 751.
- Savannah, Tenn.**, trails past 42: 853, 854.
- Savannah River**
Creeks on 42: 51.
Muskogee settlements on 42: 45.
- Savannah River Valley**
intermingling of wares in 20: 137 sqq.
pottery of 20: 131, 134.
resemblance of northwestern pottery to that of 20: 189.
tribes formerly dwelling in 20: 142.
- Savedra**, —, cited as to several tribes 28: 216, 217.
- Saville, Marshall H.**
acknowledgment to 34: 188.
aid rendered by 22, i: 253, 299.
photographs obtained by 34: 50, 189.
photographs of inscriptions from Central American monuments furnished by 22, i: 253, 299, 301.
quarry excavated by 15: 107.
- Savonga** 46: 92, 121, 173, 210, 212.
- S!āwa'n**, Tlingit shaman 26: 417.
- Sawanogālgī**, phratry called 42: 120.
- Sawanugi**
tribe of Creek Confederacy 19: 498 sq.
See also Kā'lahû'; Shawano.
- Sawari**
mention of 38: § 247.
seed-shaped houses 38: § 304.
substitute for cassava 38: § 243.
- Sawatcka**, a busk medicine 42: 547.
- Sawato**, Makusi harpoon arrow 38: § 142.
- Sawdust**, use of, as tempering material, Eastern United States pottery 20: 46.
- Sawfish pattern fan** 38: § 367-371.
- Sawing with sandstone** 35: 109.
- Sawmehnaug**, reservation at 18: 724.
- Sawnook**. *See* Kā'lahû'.
- Sawokli**, a White town 42: 254.
- Sawpaw**, a Skinpā synonym 14: 740.
- Saws**
made of iron 38: § 22.
made of stone 46: 146.
of the Eskimo 9: 174 sq.; 18: 80.
or files of stone from Pueblo ruins, description of 22, i: 103, 159.
- Saw-whet**, rabbit and the. folktale of 14: 200.
- Sawyer, Wells M.**
acknowledgment to 10: 30; 17: 20; 18: 22.
on Potawatomi archery game 24: 385.
work of 17: xlvi, xlviii, lviii; 18: xlix; 19: xxx.
- Sawyer Beetle**, harbinger of rain 38: § 938.
- Saxifragaceae** 33: 84.

Say, Dr. Thomas

- on dogs among Plains tribes 15: 171.
- on Kansa lodge 13: 269.
- on Kansa marriage customs 15: 232.
- quoted on berdaches 11: 379.
- quoted on Indian beliefs 11: 372, 421, 431.
- reference to work of 11: 363.
- value of records of 15: 183.
- vocabularies of Kiowa by 7: 84.
- vocabulary of Shoshoni by, reference to 7: 109.

Sa'yathlia

- dance of 23: 106.
- departure of 23: 141.
- general whipping by 23: 104.
- masks of 23: 129.
- notification of the people by 23: 91.
- striking of children by 23: 99, 100.
- striking of novices by 23: 103.
- whipping of the people by 23: 140.

Sayce, Prof. A. H., on origin of language in gestures 1: 283, 284.

Sayford, Irving, aid rendered by 17: XLVI.

Sayre, Annie M., material collected by 24: 352.

Sayre, Lucius E., on *Claviceps purpurea* 19: 1027.

Sayúsklan Language 7: 134.

Scabby, a Cheyenne division 14: 1025.

Scabby Bull, name adopted by Sitting Bull 14: 896.

Scabies among the Pima 26: 268.

Scaffold Burials

- among the Australians 1: 167.
- among the Cheyenne 14: 1027.
- among the Chippewa 1: 161, 162.
- among the Choctaw 1: 169.
- among the Gros Ventres 1: 161.
- among the Iroquois 1: 169, 170.
- among the Mandan 1: 161.
- among the Natchez 1: 169.
- among the Northern Indians 11: 272.
- among the Sioux 1: 163, 164.
- clan symbols associated with 42: 235.
- description of 46: 572.
- disintegration of 46: 574.

Scaffold Burials—Continued

- mention of 42: 235, 389, 701; 44: 229.
- reason for 46: 571.
- reference to 40: 393.
- tent burial on 1: 174.

See also **Burials; Tree Burials.**

Scaffolds

- for drying kokerit leaves 38: § 322.
- for drying meat 45: 240.
- for storage of property, Point Barrow Eskimo 9: 75 *sq.*
- theory regarding 1: 167, 168.
- use of 45: 63.

Scaggs, trail found by 42: 799.

Scale Lines 38: § 38, 480.

Scales

- of Picurís songs 43: 414-425.
- representation of, Middle Mississippi Valley pottery 20: 88.

Scallop

- rim decoration by 20:
 - Gulf Coast pottery 108.
 - Florida Peninsula pottery 118.
 - Middle Atlantic Coast pottery 151, 157.
 - Middle Mississippi Valley pottery 88.
 - New Jersey-New England pottery 175.

See also **Mouths; Rims.**

Scalloped Disks. *See* **Disks.**

Scalp Ceremony

- fast of participants in 23: 587.
- of the Zuñi 23: 578, 587.
- performance of 47: 326 *sqq.*
- reference to 39: 134, 247.
- time of holding 23: 578.

Scalp Dance

- ceremonial connected with 11: 526.
- customs of 40: 577-581.
- description of 46: 557 *sq.*; 47: 97-101.
- events of, summarized 47: 674 *sq.*
- list of writers on subject of 40: 547 *sq.*
- mention of 42: 524.
- no details known of 42: 529.
- of the Cherokee 19: 496.
- of the Kiowa 17: 291.
- of the Zuñi 23: 586 *sq.*
- performance of 45: 189 *sq.*, 191, 293, 389.
- prayers of 47: 674-689.

Scalp Dance—Continued

purpose of 47: 527, 674.

significance of 13: 328.

Scalp Holders, clan of 23: 604 *sq.***Scalp House**, story of origin of 43: 371 *sqq.***Scalp Kickers**

costume worn by 23: 584.

kicking of scalp by 23: 585.

Scalp Lock

care bestowed on 27: 128.

description of 27: 350.

in Sacred War Pack 27: 412.

in war honor decorations 27: 438 *sq.*, 440.

specimen in Sacred Shell 27: 457.

Scalp Pole, dance of people about 23: 594, 595, 596.**Scalp Shirts** in Indian "medicine" 9: 476.**Scalp Song**, singing of 46: 555, 556, 557 *sq.***Scalp Takers**

function of 47: 260.

names of 47: 260.

Scalp Washers

costume worn by 23: 590.

dancing in plaza by 23: 591.

mention of 23: 590 *sq.*

procession to large plaza by 23: 591.

reception of scalp by 23: 590.

selection of 23: 579.

Scalping

a means of advancement 42: 426, 434, 438.

among the East Cherokee 19: 170.

among the Guiana Indians 38: § 767.

among the Osage and Plains tribes 17: 260.

among the whites 19: 50, 51 *sqq.*, 208 *sq.*

British encouragement of 19: 47.

encouragement of, by South Carolina 19: 52.

legend concerning 30: 176.

mention of, Kwakiutl 35: 1016.

method of, Creek 42: 415.

origin of 16: 24.

performance of 45: 359.

practice of, Fox Indians 40: 601, 603.

Scalping—Continued

practice of, Upper Missouri tribes 46: 524.

*See also Scalp Ceremony; etc.; Scalps.***Scalping Knife**

description of 46: 555.

of the Sioux 15: 171.

Scalpsas decorations 42: 188 *sq.*

as trophies 39: 306, 307.

carrying of, in dance 45: 189.

ceremonial washing of 47: 326 *sqq.*, 681.

connection of, with Sacred Pole 27: 225, 226.

contribution of, to portable shrine 39: 92.

disposal of 42: 419; 45: 190.

disposal of, by the Mandan 15: 241.

distribution of pieces of 39: 55.

division of 42: 415, 427.

food offered to 47: 260, 327 *sq.*

importance attached to 42: 405, 415, 435, 704, 705.

in Cherokee myth 14: 809.

Navaho, preservation of 47: 205, 260.

offering to 47: 681.

reference to feeding 47: 257.

rejoicing over 46: 555 *sq.*

symbolic use of 15: 169.

taking of, a war honor 27: 437.

use of, in ceremony 39: 247; 42: 419, 421, 422, 423.

use of, in corn-planting 39: 195.

use of, in Victory dance 27: 432; 37: 158, 379-383.

use of, to decorate shirts 45: 68, 335.

value of 42: 434.

wearing of, as trophies 16: 21.

*See also Scalp Ceremony; etc.; Scalping.***Scammon Bay** 46: 193, 198.**Scandinavians**

colors of the, for war and peace 10: 633.

myths of the 19: 431.

perforated stones of the 13: 98.

"Victory Stones" worn by the 13: 115.

Scarabeus, myths concerning 11: 37.

- Scaramoio**, name for a Spanish grass 14: 555.
- Scarborough**, —, mask on Northwest coast collected by 3: 113.
- Scarification**
 among the Guiana Indians 38: § 923.
 among the Kansa 15: 232.
 among the Siouan tribes 15: 169.
 as a mortuary custom 14: 782.
 as an ordeal 30: 277 *sqq.*, 310, 314, 321, 339.
 at puberty 45: 169 *sq.*
 at Tuskegee busk 42: 585.
 in ceremonial 11: 437, 460, 465.
 mention of 10: 416 *sqq.*; 24: 235, 238, 580 *sq.*
 object of 45: 170.
 practice of 45: 87; 46: 490, 564.
 sacrificial 14: 898.
See also **Scratching**.
- Scarified Group of Chiriquian pottery** 6: 87-90.
- Scarifying**. *See* **Comb; Finish**.
- Scarlet Berries** 35: 300.
- Scaticook Language**, reference to 28: 279.
- Scatophagy**
 Seri 17: 209*-213*.
 Seri, connected with mortuary customs 17: 289*, 291*.
- Scattering Dance** 35: 1035.
- Scenery**
 mention of 46: 66, 67, 72, 73.
 Yukon 46: 46, 48, 50, 51, 52, 53, 58, 126, 129.
- Scent**, fish attracted by 38: § 188.
- Scents**
 plants used as 45: 502.
See also **Perfumes**.
- Scepter**, a symbol of authority 38: § 751.
- Schaff, Philip**
 on dance of St. John 14: 935.
 on Fifth-monarchy men 14: 938.
 on the Flagellants 14: 936.
- Schaffer, David**, pits on farm of 44: 526.
- Schagen, P. J.**, report on Amsterdam colony by 18: 576.
- Schartel, T.**, killed at Wounded Knee 14: 872.
- Schaub, A.**, mound on land of 44: 414.
- Scheetz and Hardy**, on Missouri mounds 5: 42.
- Scheffer**, —, History of Lapland by, cited 4: 239.
- Schellhas, Dr. Paul**
 cited 6: 345, 359, 360, 361, 374.
 on black deities 16: 208.
 on corn symbol in Maya hieroglyphs 16: 227.
 on Death-god symbol in the codices 16: 243.
 on origin of certain Maya symbols 16: 215.
 on the *imix* symbol 16: 207, 208.
 on wind symbol in the codices 16: 232.
 paper by 24: xxxii.
- Schelski, Miss Lana V.**
 transfer of 38: p. 21.
 work of 37: 28.
- Schenk, A.** 46: 372.
- Schermerhorn, Rev. John F.**
 appointment of, to treat with Ridge Cherokee delegation 5: 278 *sq.*
 commissioner to report on country assigned to the Indians of the West 5: 251.
 commissioner to treat with Cherokee 5: 249, 253, 257, 282.
 Major Davis on methods of 19: 126 *sq.*
 negotiation of Removal treaty by 19: 121, 125.
 on Kado hadateo 7: 61.
 on the Kiowa habitat 7: 84.
- Schiller, Friederich**, "Burial Song" of 1: 110.
- Schizoccephaly** 3: 94-97.
- Schlaginhaufen, O.** 46: 372.
- Schlesier, Doctor** —, cited 30: 47.
- Schlieman, Dr. Henry**, cited 4: 63, 252.
- Schlimpert, Joseph**, mounds on lands of, Illinois 12: 145.
- Schmeltz**, —
 cited as to Duk-duk ceremony 3: 100.
 cited as to labrets 3: 79.
 cited as to masks 3: 96, 99.
 cited as to piercing ears 3: 81.
 cited as to skulls 3: 94, 95.
- Schofield, Maj. G. W.**, Kiowa surrender to 17: 211.

Schofield, Gen. J. M., telegram to, on Sioux trouble 14: 836.

Schomburgk, Richard

cited 30: 119, 120, 125, 130, 136, 137, 140, 142, 145, 146, 150, 152, 155, 159, 161, 164, 166, 196 *sq.*, 225, 235, 238, 243, 257, 259 *sqq.*, 268, 271 *sq.*, 289 *sqq.*, 295 *sqq.*, 300, 302, 304, 306, 308-313, 316, 321, 322, 324, 327, 328, 331, 333, 340, 346, 353-361, 365, 367, 369, 370.

on Amazons 30: 365.

on medicine men 30: 350.

quoted by Humboldt on pictographs 4: 39.

Schomburgk, Sir Robert Hermann

cited 30: 164, 166, 197, 235, 237, 238, 239, 274, 278, 289, 298, 325, 332, 341, 381.

mention of 34: 80.

on Antillean cemetery 25: 83.

on Haitian dance court 25: 80 *sq.*

School Attendance 47: 59, 135.

School-Boys, Kiowa, death of, in blizzard 17: 222, 360, 376.

School-House Mound 5: 48, 49.

School of American Archeology

cooperation in research by 33: 10.

cooperation of, with University of Colorado 33: 161.

investigations conducted by 34: 23.

Schoolbooks in Cherokee language 19: 112, 151.

Schoolcraft, Henry Rowe

advocates Indian origin of mounds 5: 84.

circular by 46: 378.

cited 4: 167, 168, 188, 189, 199, 200, 216, 222, 239, 243, 245, 246; 12: 597, 665, 694.

clubhead illustrated by 13: 143 *sq.*

comparative vocabulary of 1: 555.

description of shell beads by 2: 228.

description of shell ornaments by 2: 297.

description of shell pendants by 2: 260.

description of shell plates by 2: 264.

exaggerated accounts of Ojibwa pictographs by 10: 202.

exploration of Iroquoian province by 20: 159.

illustration of suspension of earthenware pot over fire from 20: 27.

Schoolcraft, Henry Rowe—Contd.

information collected by 42: 78, 318.

information from 44: 191.

land treaty witness 14: 28.

mention of 48: 1187.

on Antillean dance 25: 69.

on birds destructive to wild rice 19: 1027.

on bowl game, Chippewa 24: 66 *sq.*

on burial post 1: 197.

on cause of Maskotin migration 19: 1054.

on Cherokee chief among Seneca 19: 353.

on Cherokee-Iroquois wars 19: 356 *sq.*, 485, 489, 491 *sq.*

on Cherokee migrations 19: 21.

on Cherokee myths 19: 429-444.

on Cherokee relations with Catawba 19: 381.

on cremation myth 1: 144.

on Dakota mealtime 19: 1087.

on Dakota use of stone implements in preparing pemmican 13: 88.

on Dakota use of tube in bleeding 13: 127.

on Dakota use of wild rice 19: 1046 *sq.*

on Delaware name for Cherokee 19: 378.

on dependence of fur trade on wild rice 19: 1102, 1104.

on dice game, Santee Dakota 24: 180 *sq.*

on "Folle Avoine country" 19: 1042.

on Galisteo 29: 481.

on identity of the Allegan with Cherokee 5: 137.

on Indian burial customs 5: 21.

on Indian population in 1778 19: 1109.

on Indian salt-making vessels 20: 28 *sq.*

on influence of wild rice on geographic nomenclature 19: 1116, 1117, 1120, 1123.

on initiation into Midēwiwin 7: 161.

on Iroquois 19: 485.

on Iroquois myths 19: 469, 501, 504.

Schoolcraft, Henry Rowe—Contd.

- on Iroquois peace mission 19: 365, 485.
- on Iroquois use of stone mortars 13: 96.
- on Mange's diary 13: 296.
- on meaning of Winnebago tribal name 19: 1051 *sq.*
- on Menomini use of wild rice 19: 1049.
- on migrations from wild rice district 19: 1111.
- on Mohawk burial 1: 93, 95.
- on mound-builders 12: 600.
- on name Kitu'whagi 19: 181.
- on name Mississippi 19: 190.
- on name Tallulah 19: 417.
- on native regard for ceremonial objects 13: 116.
- on Ojibwa myths 19: 437, 470.
- on Ojibwa pictography 9: xxxii.
- on Ojibwa tying wild rice 19: 1058.
- on Ojibwa wild rice moon 19: 1089.
- on Osage population 15: 193.
- on partial embalment 1: 132.
- on Pecos 29: 476.
- on Pojoaque 29: 334.
- on Pontiac 14: 665.
- on Pontiac manuscript 14: 663.
- on popular synonym for wild rice 19: 1022, 1023.
- on property right in wild rice 19: 1073.
- on Quivira 29: 566.
- on racket, Santee Dakota 24: 612 *sq.*
- on sacrificial sticks 5: 543.
- on Seneca town 19: 351, 485.
- on Shawano wars 19: 372, 494.
- on Shoshoni stone chipping 13: 141, 173.
- on spirally feathered arrows 13: 177.
- on storing wild rice in bags 19: 1072.
- on Tecumtha 14: 691.
- on Tesuque 29: 387.
- on the Cherokee bounds in Virginia 7: 79.
- on the Cushna tribe 7: 99.
- on the Tuolumne 7: 92.
- on use of flints for bleeding 13: 171.
- on use of gorgets as twine-twisters 13: 117.

Schoolcraft, Henry Rowe—Contd.

- on value of wild rice district to Indians 19: 1038.
- on Wabeno 7: 156.
- on wild rice as Indian food 19: 1084.
- on wild rice in Minnesota River 19: 1055.
- on wild rice in Wisconsin and Minnesota 19: 1034.
- on wild rice thrashing holes in Wisconsin 19: 1067.
- on Winnebago divisions 15: 163.
- on Winnebago prophecy 14: 661.
- on Wyandot traditions concerning Cherokee 19: 19.
- ossuary described by 12: 562.
- quoted on Indian pictographs and devices 4: 17, 20, 21, 59, 82, 155, 158, 161-164.
- selection of reserves by 18: 757.
- wild rice harvesting illustrations by, reference to 19: 1057.
- Schooley's Mill**, steatite quarry at 15: 125.
- Schools**
 - account of 27: 625, 626, 627-630, 642.
 - among the Cherokee 19: 84, 104, 139, 152, 155.
 - among the East Cherokee 19: 174 *sqq.*, 180.
 - among the Kiowa 17: 198.
 - among the Pima 26: 34.
 - eastern, objection of Sioux to 14: 837.
 - Government, Yukon 46: 134.
 - in Indian territory 17: 185.
 - Indian, need of 46: 466-470.
 - influence of 47: 56.
 - missionary, influence on Eskimo of 18: 21.
 - organization of, as corporation for expression 20: LXXVI *sqq.*
 - See also* Carlisle; Civilization; Education; School Attendance; etc.
- Schoopanism**
 - among the Omahas 3: 365.
 - See also* Paederastia.
- Schrenck, L. von** 46: 372.
- Schrooyelpi**, a Colville synonym 14: 732.
- Schulz-Lorentzen** 46: 372.

- Schultz-Sellack, K.**
 cited 6: 278.
 cited on Mexican calendars 3: 7, 38, 40, 46, 48, 49, 50, 54.
- Schultze, Fritz**, cited on Indian medicine-men and women 9: 470, 471.
- Schumacher, Paul**
 on arrow-straightening 13: 126.
 on California pot stones 13: 99.
 on California steatite 15: 107.
 on Indian manufacture of tubes 13: 127.
 on Klamath stone working 13: 141, 172.
 on mode of mortar making in California 13: 96.
 on Santa Barbara shell drilling 13: 165.
 on use of chisel in steatite working 13: 72.
 on use of perforated stones in California 13: 98.
 shell objects collected by 2: 209, 217.
- Schürmann, —**
 acknowledgment to 17: 559.
 ruins near ranch of 17: 550-553.
- Schuyler, P. P.**, license to purchase land issued to 18: 579.
- Schwalbe, G.** 46: 372.
- Schwartzia Tomentosa**
 use of, for bows 38: § 125.
 use of, for clubs 38: § 150.
- Schwatka, Lieut. Frederic**
 cited 6: 445, 457, 458, 459, 464, 465, 470; 46: 128, 150.
 on bones for hand game, Han Kutein 24: 272.
 on hand game, Chilkat 24: 287 sq.
- Schweinfurth, George A.**, cited on African customs 9: 488, 560.
- Schwenkey, P.**, killed at Wounded Knee 14: 872.
- Schwertz, Fr.** 46: 372.
- Schwing, —**, acknowledgment to 44: 3.
- Schwogelpi**, a Colville synonym 14: 732.
- Schwoyelpi**, a Colville synonym 14: 732.
- Science**, quoted on relic frauds 4: 247.
- Science**
 and the arts among the Eskimo 6: 643-658.
 modern, stepping - stones to 19: 825, 826.
 origin of 20: cxcii sqq.
- Scientific Results** accomplished by the Bureau of American Ethnology 48: 1187 sq.
- Scientific Staff of the Bureau**
 list of, in 1931 48: 1188 sq.
 mention of 24: x.
- Scillacio, Nicolo**, on character of Antilleans 25: 32.
- Scioto County, Ohio**, occurrence of earthenware spoons in 20: 44.
- Scioto Prong of Warrior's Path** 42: 784 sqq.
- Scioto River**
 Indian settlements at mouth of 42: 785.
 trails from mouth of 52: 785.
- Scioto Valley**, trail through 42: 786.
- Scirpus sp.** 45: 481, 484, 497.
- Scirpus Validus**
 mention of 33: 69.
 use of 44: 293, 307, 320, 378.
- Scissor-tail** in Cherokee myth 19: 285.
- Scocciane**, Italian sign for 1: 298.
- Scoops, Ice**, of the Eskimo 9: 308 sq.; 18: 175.
- Scoparia Dulcis**, febrifuge 38: § 927.
- Scores**, hunting, of the Eskimo 9: 361-364.
- Scoring Implements** used by the Eskimo 18: 80 sq.
- Scoresky, Capt. William**
 cited on Eskimo 9: 207.
 cited on Eskimo burials 9: 426.
 work of, consulted 9: 25.
- Scorpions**, talismans from 30: 289.
- Scotch Blood** among the Cherokee 19: 83.
- Scotland**, cup sculptures in 10: 193.
- Scoton**
 land cessions and reservations 18: 796.
See also Siletz Reserve.
- Scott, Capt. H. L.**
 acknowledgments to 14: 655; 17: 147.

Scott, Capt. H. L.—Continued

- delegate to Washington in 1894 17: 225.
- disturbance among Kiowa quieted by 17: 360.
- Dohásän calendar obtained by 17: 143.
- Indian troops commanded by 17: 223, 362.
- information furnished by 17: 146.
- on Ghost dance doctrine 14: 785.
- on Kiowa 17: 346.
- on Moon-Head 14: 904.
- on reported power of Sitting Bull 14: 896, 897.
- on Sitting Bull 14: 895.
- ordered to investigate Ghost dance 14: 900.
- portrait of 17: 224.
- report of, on whipping of Kiowa boys 17: 361.
- Set-t'aiñte shield willed to 17: 210.
- Scott, Col. H. L.**
 - material collected by 24: 124.
 - on dice game, Kiowa 24: 125 sq.
- Scott, Col. H. S., work of** 19: xxvi sq.
- Scott, John**
 - an Alabama chief 42: 193.
 - information furnished by 42: 402.
- Scott, John, mound on land of** 44: 407.
- Scott, S. M., collections by, in Peru** 16: xxxi.
- Scott, S. S., report on East Cherokee affairs by** 19: 170 sq.
- Scott, Thomas, reference to** 40: 545.
- Scott, Sir Walter**
 - cited on lycanthropy 9: 459.
 - quoted on lightning-riven wood 9: 287.
- Scott, William, inclosure on land of, New York** 12: 509.
- Scott, William**
 - killing of party under 19: 76 sq., 100 sq.
 - legend told by 19: 482.
- Scott, Prof. William A., acknowledgment to** 19: 1019.
- Scott, Gen. Winfield**
 - appointment of, to effect Removal 19: 129.

Scott, Gen. Winfield—Continued

- compromise with Cherokee refugees by 19: 157.
- ordered to command troops in Cherokee country 5: 291.
- part taken by, in Removal 19: 130 sq.
- proclamation to Cherokee by 19: 129 sq.
- Scott County, Ark., remains in** 44: 464.
- Scott County, Iowa**
 - pottery from 20: 193.
 - See also* Davenport.
- Scottish**
 - marriage customs 17: 285*.
 - See also* Scotland.
- Scotts Valley Indian. See** Eeh; Watsahewa.
- Scouler, John**
 - linguistic literature of 7: 13 sq.
 - "Nootka-Columbian" family of 7: 129.
 - on the Kalapooan family 7: 81.
 - Pima words by 26: 269.
 - Shahaptian family of 7: 107.
 - Skittagetan researches of 7: 119.
- Scouring Rush**
 - mention of 33: 63.
 - use of 44: 289, 366, 377.
- Scout Song, example of** 27: 420 sq.
- Scouts**
 - Kiowa, enlistment of 17: 341.
 - loyalty of, at Wounded Knee 14: 881.
 - of Omahas 3: 226, 287, 321.
 - of war party, duties of 46: 549.
 - on buffalo hunt 27: 142, 423-426.
 - report of Omaha war 3: 325.
 - service of Omaha 3: 226.
 - service of Omaha hunting 3: 287, 288.
- Scrapers**
 - described and figured 13: 83, 169.
 - discussion of 15: 85.
 - distribution of 15: 142.
 - hematite celts used as 13: 87.
 - mention of 46: 83, 134, 144, 146, 173.
 - of shell 2: 205; 38: § 17.
 - of shell, example of 2: 205.
 - of stone, Casa Grande 28: 132.
 - of stone, Guiana Indian 38: § 16.

Scrapers—Continued

- of the Nenenot 11: 292.
- of tooth 38: § 18.
- produced by flaking 15: 26.
- use of 45: 45.
- use of, by Eskimo in dressing skins 18: 112-116.
- use of, by Eskimo in ivory and bone working 18: 80 sq.
- use of cores as 13: 171.
- See also Combs; Tools.*

Scraping. *See Rasping.***Scratch-Sticks**

- employment of, among uncivilized peoples 9: 490-493.
- not used for combs 9: 441.
- origin of 9: 492.

Scratchers

- for stalking seals, Eskimo 18: 128 sq.
- for the back, Eskimo 18: 310.

Scratching

- as a form of punishment 42: 354 sq., 363 sq., 540, 554.
- as a hardening process 42: 363, 364, 365.
- as a token of friendship 42: 452.
- Cherokee ceremony 19: 230, 476.
- to relieve fatigue 42: 445 sq.

Screech-Owl

- belief concerning 44: 252.
- Cherokee name for 19: 281, 284.
- myths concerning 19: 241.

Screech-owl Dance

- description of 42: 530.
- mention of 42: 523, 524.
- See also Little Screech-owl Dance.*

Screech-owl Medicine, use of, for eye troubles 42: 662.**Screw-bean**

- in Pima mythology 26: 231.
- Pima food and medicinal plant 26: 75, 79.

Screw-driver, Eskimo 18: 88.**Scroll**

- absence of, in Iroquoian pottery 20: 163.
- absence of, in Northern pottery 20: 145.
- culture status indicated by use of 20: 122.
- possible origin of 4: 459.
- presence of life idea in 20: 113.
- significance of 20: 100.

Scroll—Continued

- use of, in decoration 20:
 - Eastern United States pottery 67.
 - Eastern United States pottery, northward extension of 144.
 - Florida Peninsula pottery 112, 128.
 - Gulf Coast pottery 106, 108.
 - Lower Mississippi Valley pottery 102, 103.
 - Middle Mississippi Valley pottery 86, 90, 92, 93, 100.
 - Northwestern pottery 199.
 - Ohio Valley pottery 185 sq.
 - South Appalachian pottery 137, 139, 140.
- See also Decoration; Guilloche; Volute.*

Scrophulariaceae 33: 114.**Scrub-Turkey**

- legend of 30: 173.
- See also Maam.*

Sculpin

- among the Tlingit, house group name 26: 400.
- among the Tlingit, name for Pleiades 26: 427.
- Eskimo belief in supernatural powers of 18: 446.
- implements used by Eskimo in catching 18: 178.

Sculpture

- aboriginal, near Shi'papolima 23: 407.
- development of 19: cxxiv sq.
- pipe, of the Siouan Indians 15: 176.
- Sculptures of Santa Lucia Cosumalhuapa** by S. Habel, quoted 4: 80.

Scurvy

- mention of 46: 321.
- remedy used for 42: 668.

Scythian declaration of war 10: 362.**Sea**

- in Tlingit mythology 26: 453.
- spirits of the 30: 241.
- water, a source of salt 38: § 251.
- water, not bathed in 38: § 932.
- See also Ocean.*

Sea Cow. *See Manati.***Sea Eggs**

- blue, beliefs regarding 35: 637
- blue, gathering of 35: 498.
- boiled 35: 491.

Sea Eggs—Continued

- eating of, terms for 35: 489.
- flat, eaten raw 35: 494.
- flat, gathering of 35: 494, 495.
- flat, males not eaten raw 35: 496.
- flat, males roasted 35: 496.
- flat, picked off rocks 35: 496.
- for bait 35: 182.
- gathering of 35: 488.
- males not eaten raw 35: 489.
- males roasted 35: 490.
- net for 35: 163.
- protected against spirits by fire-brands 35: 614.
- raw 35: 493.
- raw and roasted 35: 488.
- roasted 35: 496.
- spear for 35: 154.
- spearing of 35: 182.

Sea God in Pima mythology 26: 376.

Sea Gull

- ancestor of Maāmtag'ila 35: 786.
- as Tlingit emblem 26: 420.

Sea-lion

- among the Tlingit* 26:
 - cry used by clan 417.
 - house group name 402.
 - name of gaming stick 444.
 - popular conception of 457.
- hide of, used to make bag 35: 109.
- ribs, implements of 44: 108 sq.

Sea-lion Dish 35: 756, 809, 810, 1033, 1059.

Sea-lion Stomach Dish 35: 818.

Sea Milkwort

- digging of 35: 194.
- effect of eating 35: 559.
- preparation of 35: 557.

Sea Monster

- charm against 35: 608.
- house of 35: 808.

Sea-Monster Dish 35: 1033, 1059.

Sea Otter

- among the Tlingit*, "medicine" for 26: 447.
- among the Tlingit*, used as charm 26: 453.
- in house of Q!ōmogwa 35: 809.

Sea-Otter Dish 35: 811, 818, 888, 1033, 1059.

Sea Pigeon

- mythic origin of 11: 262.
- name of Tlingit gaming stick 26: 444.

Sea-sickness 46: 85, 91, 98, 104, 115, 116, 122.

Sea Slugs

- baked 35: 480.
- boiled 35: 475.
- catching of 35: 475, 476.
- eaten in winter only 35: 478.
- roasted 35: 479.

Sea Weed

- boiled 35: 514.
- curing of 35: 292-296.
- gathering of 35: 185.
- powdered 35: 296, 515.
- treated with chiton soup 35: 293.
- used in oven 35: 519.
- with clams 35: 516.
- with salmon spawn 35: 516.

Sea-wolf Skin, Eskimo clothing made of 18: 44.

Seal

among the Tlingit 26:

- clan name 399.
- Haida and Tlingit names for 476.
- in mythology 457.
- "medicine" for 447.

distribution of, according to rank 35: 1043.

Eskimo clothing made of parts of 18: 36-42, 44.

Eskimo floats made of parts of 18: 141.

Eskimo method of hunting and trapping 6: 471-501; 18: 126.

Eskimo mythic animal resembling 18: 447 sq.

Eskimo ornamentation with bristles of 18: 37 sqq.

Eskimo uses of intestine of 18: 118.

leather from gullet of 18: 117.

mention of 35: 1026.

See also Seals; Sealskin.

Seal Bladder for keeping spawn 35: 236.

Seal Blood, soup of 35: 456.

Seal Blubber 35: 456, 458, 460.

Seal-catching Mask 3: 122.

Seal Dish 35: 756, 809, 810, 815, 888, 991, 1023, 1349.

Seal Feast

mention of 35: 756, 1045 sq., 1047 sqq.

promise of 35: 461.

tradition of 35: 815.

Seal Head

cooked 35: 462.

given to steersman 35: 462.

Seal Hunter protects implements
against contamination 35: 608.**Seal Meat** steamed 35: 461.**Seal Nets** of the Eskimo 18: 133.**Seal Society** 35: 753.**Seal Spears** of the Eskimo 18: 135
*sqq.***Seale, R. W.**, map by 17: 63.**Sealing**Kwakiutl (=catching seals) 35:
174-178.of doorways of Pueblo buildings 8:
110, 183 *sq.*, 198-201.**Seals**as tribute to chiefs 35: 1333 *sq.*

boiled 35: 459.

butchering of 35: 451.

calls for decoying 9: 253 *sq.*

cooking of, in feasts 35: 1044.

distribution of 35: 458, 750.

drags for hauling 9: 256-259.

Eskimo superstition concerning skulls
of 9: 434.indicators used in catching 9: 254
sq.

insides of, cooked 35: 455.

mention of 46: 104, 105, 106, 109,
110, 122.

methods of hunting 9: 268-272.

nets for catching 9: 251.

rattles for decoying 9: 254.

singeing 35: 451.

singeing, custom regarding 35: 607.

sleeping-rocks of 35: 178.

stool used in catching 9: 255.

tongue of 35: 453, 454, 455, 457.

*See also Seal; Seal Bladder; etc.;***Sealskin.****Sealskin**Eskimo ceremonial objects made of
18: 416, 417, 419, 420.Eskimo clothing made of 18: 30,
31, 38 *sqq.*, 42.Eskimo implements made of 18:
93, 97, 104, 109, 140, 141, 142,
174, 178.

Eskimo lodges made of 18: 262.

Eskimo method of dressing 18: 116
*sq.*Eskimo method of making cord from
18: 110.**Sealskin—Continued**Eskimo ornaments made of 18: 58,
59.

Eskimo rope made of 18: 138.

Eskimo tobacco implements made of
18: 273.Eskimo transportation apparatus
made of 18: 209, 210, 216, 217.Eskimo use of, as unit of value 18:
232.Seri utensils repaired with 17:
193*.use of, among Northern Indians 11:
221, 232, 292.**Sealey, Samuel**, chief of a Chickasaw
district 44: 212.**Seapcat**

a Si'āpkat synonym 14: 737, 738.

*See also Yakima.***Searles, Stanley**

appointment of 39: 23.

work of 28: 19; 29: 22; 30: 22;
39: 23 *sq.*, 28; 40: 17; 41: 16,
41, 69, 92, 113; 42: 16; 43: 15
sq.; 44: 15; 45: 16; 46: 13;
47: 11; 48: 17.**Seaside Hotel Association**, owners of
Burton Mound 44: 60.**Seasonings** used by the Chippewa
44: 318.**Seasons**

division of 45: 486.

four, of the Creeks 42: 400.

how recognized 38: § 937, 938.

in Tewa scheme 29: 55, 57, 61 *sq.*observation of, by the Chickasaw
44: 245.

observation of, by the Osage 43: 29.

occupations of 45: 95 *sq.*, 342 *sq.*

of the Hopi 21: 19.

of the Kiowa 17: 366.

of the Tsimshian 31: 399.

of Tusayan ceremonials 15: 254,
255.recognition of, by the Assiniboin
46: 415.recognition of, by the Coeur d'Alène
45: 95.recognition of, by the Creeks 42:
707.recognition of, by the Indians 11:
203.recognition of, by the Okanagon
45: 247.

Seat

- given up by old men 35: 1022.
of princess 35: 1005.

See also Seats.

Seating

- arrangement of, in ceremonial grounds 42: 174-241.
at general council 42: 311 sq., 313.
in council house 42: 535, 536 sq.
of clans, discussion of 42: 237-241.
of clans, summarized 42: 237.

Seats

- in Eskimo houses 18: 245, 246.
in front 35: 788.
in order of rank of numaym 35: 1046.
number of, in beds 42: 186.
of tribe in feast 35: 990 sq.
order of 35: 763, 771.
stone, in Awatobi ruins 17: 626.
stone, in Tusayan kivas 8: 132.
stone, mention of 34: 223-226.
stone, not found in Lesser Antilles 34: 60.

See also Bench; Seat; Stools.

Seattle, Wash., collections in, from Alaska 46: 167.

Seattle Totem Pole 26: 454.

Seay, T. W., jr., assistance rendered by 44: 15.

Sebastian

- native companion of Padilla 14: 400, 535.
negro slave of Jaramilla 14: 592.

Sebastians Ligustrina, medicinal use of 42: 665.

Sechelt Indians, basketry of the 41: 133, 184.

Second Harvest

- of Seri 26: 71.
of Seri and California Indians 17: 209*-213*.

Second Men, meaning of the name 42: 192.

Seconds, terms relating to 29: 68 sq.

Secotan, village of 12: 621.

Secret Ceremonies

- absence of, in abbreviated kateina dances 21: 56.
from Butterfly festival 21: 58.
performance of, in Niman 21: 56.

Secret Societies

- description of 31: 546-558.

Secret Societies—Continued

- members of, become excited in war 35: 1374.
of the Tlingit 26: 436 sq.
of the Tsimshian 31: 546-558.
qualification for membership in 37: 317.

See also Societies, Secret.

Secret Songs 35: 910.

Sections

- of country named from wild rice 19: 1116.
of Omaha subgentes 3: 215, 237, 239, 240.

Secular Season 35: 769, 1025.

Secumne Tribe 7: 99.

Sedaru 46: 208.

Sedelmair, Father Jacob

- explorations of 26: 28.
on Casa Blanca 26: 24.
on Indian giants 14: 485.
visit of, to Casa Grande 28: 56.

Sedentary Tribes 7: 30-33.

Sedentation, effect of, on development of arts 20: 22 sq.

Sedge

- a forage plant 45: 514, 515.
a life symbol 36: 95.

Sedna

- and the fulmar 6: 583-587.
feast 6: 594.

Sedum Divergens 45: 463.

Sedum sp., use of 45: 463.

Sedum Spathulifolium 45: 462, 463.

See, Serian and Yuman words meaning 17: 327* sq.

Seechaugas 1: 158.

Seed

- apron 38: § 549.
bait 38: § 188, 192.
bead 38: § 75.
box 38: § 385.
necklace 38: § 535.

See also Seeds.

Seed Ball, game played with 47: 76.

Seed Game, dice game, Arikara 24: 101.

Seed-gatherers, gathering of food by 23: 145.

Seed People of Zuñi mythology 13: 428

Seeds

- appearance of, in pictures of Hopi kateinas 21: 107.

Seeds—Continued

- beads and pendants made from 33: 58.
- ceremonial use of 47: 714, 873 *sq.*
- distributed by human agency 33: 59, 60.
- found at Casa Grande 28: 150.
- in mortuary vessels 17: 741.
- occurrence of, in mortuary bowls at ruined pueblos in Arizona 22, i: 101.
- planted in Tusayan kiva 15: 279.
- presented by Hahaiwüqti 15: 281, 282.
- Seri consumption of 17: 207*.
- symbolism of, Zuñi 23: 22.
- use of, as food 45: 239, 491.
- use of, for beads 33: 60.
- use of, for ornamentation 45: 239.
- use of, for their fragrance 33: 59.
- See also Seed.*

Seek's Village

- cession of reserve at 18: 718.
- reservation at 18: 716.

Seemann, Dr. Berthold

- description of Piedra Pintal by 6: 21, 22.
- mention of 46: 215, 218, 219, 372.
- pictographs described by 25: 151 *sq.*
- remarks by, on cup sculptures 10: 193 *sq.*

Seginsiwin's Village

- cession of reserve at 18: 718.
- reservation at 18: 676.

Segresser, Father Felipe, settler in Arizona 26: 28.**Segura, José**, on Isleta 29: 529.**Sé'hiwûq**, native name of Weasel Bear 14: 959.**Sëicha**, an Arapaho sacred pipe 14: 960.**Seines**, Eskimo 18: 186, 187.**Seiyo, Señor** —, specimens purchased from 30: 50, 221.**Sekani**

- games of the 24:
 - dice games 97.
 - hand game 273.
 - stick games 236.
- mention of the 41: 135.

Sekke-sekke Fiddle 38: § 572.**Selawik River**, Eskimo on 46: 203, 224, 361.**Selenite**

- deposits near Sikyatki 17: 643.
- in Sikyatki graves 17: 730, 733.
- plates, finding of, in Pueblo ruins 22, i: 111.
- use of, in Pueblo windows 8: 196, 197.

Seler, Dr. Eduard

- acknowledgment to 25: 274.
- ahau* symbol figured by 16: 262.
- discussion of symbols by 16: 260.
- Dresden Codex glyphs interpreted by 16: 258, 260.
- interpretation of certain symbols by 16: 216, 218, 223, 233, 257.
- interpretation of *kan* symbol by 16: 228.
- interpretation of *muluc* symbol by 16: 239.
- interpretation of *oc* symbol by 16: 169, 240, 241.
- interpretation of Troano figures by 16: 217.
- Maya and Zapotec names harmonized by 16: 237.
- Maya symbols interpreted by 15: LIX.
- Mexican designs gathered by 17: 705.
- misinterpretation of symbols by 16: 262.
- on Cakchiquel calendar 22, i: 279.
- on certain birdlike figures 16: 219.
- on certain deity symbols 16: 210.
- on corn symbol in Maya codices 16: 227.
- on derivation of *chicchan* 16: 230.
- on derivation of *gopa* 16: 259.
- on derivation of *imox* 16: 212.
- on derivation of *manik* 16: 234.
- on derivation of *muluc* 16: 238.
- on derivation of *xoo* 16: 255.
- on dot circle in Maya hieroglyphs 16: 223.
- on Dresden Codex 19: 799.
- on early Central American day names 19: 808.
- on importance of *ahau* and Mayan time counts 19: 816.
- on figure in Troano Codex 24: 731.
- on figures of sun gods 25: 261.
- on forms of temples 25: 241.
- on Huastec idols 25: 279.
- on images found near Teayo 25: 250.

Seler, Dr. Eduard—Continued

- on Mayan chronologic tables 22, i: 245 sq., 257 sq.
- on Mayan year of 360 days 19: 748.
- on meaning of *ahau* 16: 263.
- on meaning of *ahmak* 16: 252.
- on meaning of *aunahpu* 16: 263.
- on meaning of certain calendar names 16: 244, 245, 248.
- on meaning of *chilla* 16: 213.
- on meaning of *chuen* 16: 243.
- on meaning of *cib* 16: 253.
- on meaning of *ollin* 16: 255.
- on meaning of *tecpatl* 16: 258.
- on meaning of *tihaz* 16: 259.
- on meaning of *tox* symbol 16: 231.
- on meaning of *uotan votan* 16: 221, 222.
- on mounds near Panuco 25: 277.
- on Nahuatl ceremony 15: 287.
- on origin of *ben* symbol 16: 245.
- on origin of certain Maya symbols 16: 215.
- on ruin near Chila 25: 277.
- on serpent symbol in Dresden Codex 16: 256.
- on significance of certain face numerals in Mayan inscriptions 22, i: 226.
- on significance of terminal dates of Mayan inscriptions 22, i: 291 sq.
- on sun symbols in Borgian Codex 16: 222.
- on the black deities 16: 208.
- on the cavern symbol 16: 223.
- on the *cayom* symbol 16: 210.
- on the *chac* symbol 16: 208, 225 sq.
- on the *chuen* symbol 16: 242.
- on the eagle glyph 16: 251.
- on the *eche* day symbol 16: 248.
- on the *guilloo* symbol 16: 252.
- on the *imix* symbol 16: 207, 208, 209.
- on the *ix* glyph 16: 250.
- on the *kan-imix* symbol 16: 211.
- on the *lamat* symbol 16: 235.
- on the Maya calendar 16: 205.
- on the *men* symbol 16: 251.
- on wind symbol in the codices 16: 232.
- on Ximens' interpretation of certain terms 16: 227.
- paper by 24: xxxii.

Seler, Dr. Eduard—Continued

- phoneticism of hieroglyphs not accepted by 16: 218, 225.
- stone idols figured by 25: 277.
- Self-patterns** on birch-bark 44: 396 sq.
- Self-torture** to propitiate Wakoñda 46: 490.
- Selfheal**, use of 44: 291, 346; 45: 471.
- Seligman, Julius**, reference to 29: 452.
- Seligman, Ariz.**, reference to 28: 186.
- Selish**
 - beadwork introduced among the 14: 269.
 - myth of the coyote 14: 205.
- Selkirk, Lord**, on wild rice in water system of Red River of the North 19: 1035.
- Sellers, George Escoll**
 - description of Saline River region by 42: 807 sqq.
 - discovery of salt kettle pottery in stone graves by 12: 695.
 - on cist burial 1: 114.
 - on salt-making vessels 20: 29, 30.
 - on use of core-like clay molds in pottery manufacture 20: 71.
- Sells, Elijah**, commissioner to treat with Cherokee 5: 334, 341.
- Selu**, myths concerning 19: 242-249, 323 sq., 431 sqq., 471.
- Selwyn, W. T.**
 - account of Sioux visit to Wovoka by 14: 820.
 - inauguration of Sioux Ghost dance 14: 819.
 - interview of, with Kuwapi 14: 798.
 - warning by, of Sioux outbreak 14: 821.
- Semät**
 - a Kiowa Apache synonym 17: 245.
 - a Kiowa division 14: 1079.
 - Kiowa name of the Kiowa Apache 14: 1081.
 - order of, in Kiowa camp circle 17: 228.
- Sematma**, capture of, by Osage 17: 258.
- Sematology**
 - definition of the science of 20: CLVII-CLXIII.
 - evolution of 20: CLVII-CLXIII.

Semi. *See* **Zemi.**

Semiahmoo, mention of 41: 136.

Semicircular Bands

symbolic use of, in pictures of Hopi katecinas 21: 80.

use of, in decoration of Hopi katecinas 21: 95.

Semicircular Stones 25: 132 *sq.*; 34: 187.

"**Seminole**," Catawban ware labeled 20: 143.

Seminole (Appalachicola) Band
land cessions and reservations 18: 704, 736 *sq.*, 748.

Seminole Indian

admission of, into Creek Confederacy 42: 47.

allied with Tecumtha 14: 687.

amounts of wild rice harvested by 19: 1075 *sq.*

attitude of, in Civil War 19: 148.

clan councils of 42: 126 *sq.*

clans, phratries and moieties of 42: 161 *sq.*

division among the 42: 394.

dwellings of, description of 42: 173.

explorations among the 2: xxv.

Florida, outlaws among 42: 357.

Florida, paper on, by Clay MacCauley 5: XLVIII-L, 469-531.

government of the 42: 332.

habitat of, about 1903 20: 115.

illustration of ornamentation by the 6: 207.

land cessions and reservations 18: 704 *sq.*, 734, 748, 778, 816, 840, 862, 918.

meaning of the name 42: 48.

mythology of the 24: 606.

myths and lore of the 19: 454, 457.

Oklahoma, Red and White divisions of 42: 257.

Oklahoma, smoke signals of 42: 446.

origin myth of the 42: 47 *sq.*

origin of the 19: 99.

population of the 7: 95.

proportion of warriors to population 14: 33.

public building of, description of 42: 191 *sq.*

racket game among the 24: 562, 608.

recent practice of potter's art by 20: 130.

Seminole Indian—Continued

researches among the 16: LII, LVI.

researches relating to the 17: XLVI *sq.*

square grounds of 42: 232-235, 241.

village life of 42: 400.

war of, with Creeks 42: 51.

Semisubterranean Kivas of Tusayan 8: 113.

Semtā'use

an extinct Flathead tribe 45: 295.

bands of 45: 311.

characteristics of 45: 325.

dialect of 45: 303.

intercourse of, with other tribes 45: 322 *sq.*

meaning of the name 45: 297.

overwhelmed by the Blackfoot 45: 319.

territory occupied by the 45: 307.

Senac, Father —, burning of 19: 477.

Senahuow land cessions and reservations 18: 782.

Senary Concept among primitive peoples 19: 835, 836.

Senary-Septenary System among primitive peoples 19: 842, 848.

Seneca Indians

adoption of conquered tribes by 32: 47.

agreement between Erie and 19: 352.

ambush of British by, in 1763 32: 47.

amount of wild rice harvested by 19: 1075.

Cherokee legends of conflicts with 19: 232.

clans of the 19: 483.

defeat of Marquis Denonville by, in 1687 32: 47.

defeated by General Sullivan in 1779 32: 48.

defeated by Minqua and Marylanders in 1663 32: 47.

defeated by Neuters in 1651 32: 46.

description of 32: 43.

fiction, legends and myths 36: 30.

French influence among 32: 47.

games of the 24:

dice games 113-119.

hidden ball 350 *sq.*

Seneca Indians—Continued

- games of the 24—continued
 hoop and pole 421, 476 *sq.*
 racket 562, 563, 592 *sqq.*
 running races 805.
 snow-snake 410-413.
 history, political 32: 45.
 land cessions and reservations 18:
 559, 658 *sqq.*, 662, 684, 688, 690,
 730 *sqq.*, 744, 776, 818, 842 *sqq.*
 land purchase at Green Bay 14: 23.
 League of the Iroquois joined by
 43: 463.
 legend of Hinu^a and Niagara 2: 54.
 legends of Cherokee wars with 19:
 356 *sq.*, 359-370, 489-494.
 location of, when first known 32: 43.
 location of, previous to 1651 32: 45.
 marriage customs of the 17: 286*.
 medicine, Iroquois myth giving origin
 of 2: 70.
 name, origin of 32: 44.
 of Missouri and Oklahoma, identifi-
 cation of 42: 13.
 paper on 37: 27; 40: 17.
 peace embassies of 19: 109, 352,
 353-356, 365, 367-370, 485-488,
 491-494.
 peace towns among 19: 208.
 peace treaty of 43: 456.
 plotting to destroy French settle-
 ment in 1652 32: 47.
 population, estimate of 32: 48.
 population of 7: 80.
 population of, in 1822 19: 1110.
 removal of, to Green Bay 14: 23.
 researches among the 42: 11.
 study of language of 30: 20.
 tract set apart for the 19: 142.
 use of wooden mortars by the
 13: 96.
 version of Iroquois cosmology 21:
 221.
 visit to Cherokee 32: 429.
 war of, against Hurons in 1639 32: 46.
 war of, declared against Indians and
 French on St. Lawrence 32: 46.
See also **Five Nations; New York
 Indians; Six Indians.**
Seneca Myths and Fiction edited by
 J. N. B. Hewitt 36: 13.
Seneca Snakeroot
 use of 44: 291, 376.
See also **Polygala Seneca.**

Seneca Texts edited by J. N. B.
 Hewitt 34: 17.

Seneca Town

encounter at 19: 50.
 Schoolcraft's statement concerning
 19: 351, 485.

Senecú, population of 7: 123.

Se-nél, cremation among the 1: 147,
 148.

Senex, J.

map of, reference to 12: 694.
 on Isleta 29: 529.

Señi. *See* **Peyote.**

Senijextee. *See* **Lake Indians.**

Sēnl'em 35: 807.

Señora. *See* **Sonora.**

Sénpo-gúadal, Kiowa name of Ho-
 worth 17: 198.

Sense, development of, among Eskimo
 11: 202.

Sense of Locality 38: § 784.

Sen-sen Bee and excreta 38: § 721.

Sensoro

hammock 38: § 459, 477.

ite twine 38: § 60.

Seoqgwageono, myths concerning
 19: 369 *sq.*

Separate Hon'ga, gens of Kansa
 27: 40.

Separation

marriage gifts kept after 35: 1038.

of married couples 35: 895, 960,
 986 *sq.*, 1000, 1019, 1020, 1031,
 1038, 1082 *sq.*, 1348.

Separator

permanent 38: § 468.

temporary 38: § 470.

September

annual occurrence of Lalakoñti in
 21: 58.

Hopi ceremonies celebrated in 21:
 22.

Sepulture

aerial 1: 152.

in San Juan cliff ruins 13: 348.

places of, abandonment of 30: 149,
 159.

Sequatchie Valley

burials in 41: 602.

description of 42: 838.

exploration of mounds of 42: 836.

trail down 42: 838.

Sequence of Tusayan ceremonials

15: 255, 264.

Sequin, account of 18: 613.

Sequoia(h) or George Guess

death of 5: 302; 19: 147 *sq.*

grant of money to 19: 139.

life and work of 19: 108 *sqq.*

on Iroquois peace embassy 19: 353 *sqq.*, 485.

opposition to syllabary of 19: 351.

part taken by, in reorganization 19: 135, 147.

pension to 19: 148.

removal of, to the West 19: 138.

resolution signed by, in 1839 19: 135.

search for lost Cherokee by 19: 501.

syllabary of 19: 219 *sq.*

treaty signed by, in 1828 19: 14.

tree named after 19: 148.

visit to Western Cherokee by 19: 137 *sq.*

Sequoia Statue, suggestion for, by James Mooney 37: 10.

Seraglio, mutes of the, gestures of the 1: 307.

Seranos. *See* Cuabajai.

Serekong Indians

beliefs of the 30: 164.

legend of the 30: 378.

Serenade, a means of courting 45: 171.

Sergeant, John, Stockbridge missionary 14: 22.

Sergi, Prof. Giuseppe 46: 236, 372.

Seri Indian

and Yuman relationship 16: xli.

collection from the 16: xlii, liii.

Coronado's account of the 14: 554.

egoism of the 21: xxvii.

exhibit relating to the 17: lviii.

face painting of the 21: xiv.

language of, dialects of 21: xxv.

language of, not related to the Yuman 21: xxv.

marriage customs of the 15: 202.

maternal organization of the 21: xiv.

memoir on the 17: lxiii-lxvii, 1-344*.

publication of paper on the 19: xxix.

researches among the 16: xxxiii, lxii.

researches concerning the 20: xxiv.
"Second Harvest" of the 26: 71.

Seri Indian—Continued

studies of implements of 19: xxi *sq.*

studies relating to the 18: xxxvi *sq.*, xxxix *sqq.*, xlv.

submission to nature of 21: xxviii.

technology of the 21: xvii.

use of poison by the 14: 538.

work among the 17: xli-xliv, li.

See also Pueblo Seri; Seriland.

Seri Waters, tides, currents and gales of 17: 45-49.

Sericothea Discolor 45: 474, 497, 499.

Seriland

area of 17: 22.

climate of 17: 23 *sqq.*

communality of life in 17: 32, 37, 133*.

fauna of 17: 36-39.

flora of 17: 31-36.

local features of 17: 39-50.

location of 17: 22.

maps of 17: 62-66.

physical characteristics of 17: 22-31.

precipitation in 17: 24 *sq.*

temperature of 17: 23 *sq.*

water of 17: 28 *sqq.*, 181*.

Serjania

fish poison 38: § 208.

See also Cupana.

Sermaton. *See* Hoopa Valley Reserve.

Seror-e, reed instrument 38: § 570.

Serpent

beliefs concerning 11: 157, 508.

characteristics that attract the savage 2: 289.

design, discovery of shell gorgets ornamented with 2: 289.

effigy of, in Santa Rita mound 19: 689.

emblematic use of 10: 617.

embodiment of the, in art 2: 289.

engraving of, upon shell gorgets 2: 268, 289, 293.

engraving of, upon stone disks 2: 278.

examples of gorgets ornamented with 2: 290.

figures of, in the codices 16: 230, 256.

head, painting of, on wall in Santa Rita mound 19: 667.

Serpent—Continued

- in Menomini myth 14: 132.
- in Mexican pictography 16: 223.
- in pottery 4: 402.
- in Tzental pictography 16: 222.
- man converted into 32: 87.
- of Mexico and Peru 2: 293.
- pictographs of 10: 476 *sq.*
- plumed, of the Hopi 17: 547, 548.
- rattlesnake 2: 289.
- rattlesnake species represented on shell 2: 291, 293
- superstitions regarding 2: 289.
- use of the, as a religious symbol 2: 289.
- wooden 25: 197.
- worship of the 11: 514; 25: 152 *sq.*
- See also* Double-headed Serpent; Horned Serpent; Serpents; Snake; etc.
- Serpent Dish, double-headed 35: 756.
- Serpent God of the Antilleans 34: 264 *sq.*
- Serpent, Great, story of 34: 127 *sq.*
- Serpentine
 - Eskimo ornaments made of 18: 46, 47.
 - use of, as tempering 20: 59.
 - See also* Steatite.
- Serpents
 - mythological, reference to 29: 56.
 - representations of 20:
 - Gulf Coast pottery 107, 114.
 - Iroquoian pottery 174.
 - Middle Mississippi Valley pottery 91.
 - South Appalachian pottery 138, 140.
 - See also* Serpent, etc.; Snake, etc.
- Serpo
 - an old-time Palicour spear 38: § 147.
 - pike, symbol of authority 38: § 751.
- Serrano, Francisco, on effect of Marcos' report 14: 366.
- Serrano de Cardona, Antonio testimony of 14: 597.
- Serrano Indian, of California
 - face marks of the 10: 621.
 - land marks 4: 61, 182.
 - property marks of the 10: 441.
 - See also* Mission Indian.

Servantes. *See* Cervantes.**Servants** among the Omaha 3: 217 *sq.***Service berries**

- myths concerning 19: 259.
- use of 45: 462, 471, 510.

Service, Domestic 38: § 902.**Set-ägyai**, death of 17: 294.**Set-ängya**

- arrest of 17: 188, 328.
- at Medicine Lodge treaty 17: 321.
- death of 17: 188, 284, 329, 332 *sq.*
- death song of 19: 491 *sq.*
- leader of Kiowa warrior order 17: 285.
- on expedition against Pawnee 17: 293.
- portrait of 17: 189.
- recovery of bones of 17: 327.
- Sarsi descent of 17: 160.
- treaty signed by, in 1867 17: 185.
- war medicine of 19: 501.
- wounding of 17: 286.

Sé'täs-lëma, habitat of the 14: 738.**Set-dayâ'-ite**

- burial of 17: 326.
- death of 17: 186, 323, 351.
- in expedition against Navaho 17: 322.
- purchase of Mexican captives by 17: 319.
- taime priest 17: 340.
- treaty signed by, in 1865 17: 179.

Set-emâ'-i, treaty signed by, in 1867 17: 186.**Set-ïmkía**

- acknowledgment to 17: 147.
- at Medicine Lodge treaty 17: 321.
- data concerning 17: 146.
- in raid against the Ute 17: 306.
- information furnished by 17: 146.
- treaty signed by, in 1865 17: 179.
- treaty signed by, in 1867 17: 186.
- See also* Stumbling Bear.

Set-k'opte, Paul

- acknowledgment to 14: 655; 17: 147.
- data concerning 17: 147.
- education of 17: 216.
- on Kiowa fight in 1864 17: 315.
- stealing of wife of 17: 377.

Setkopti, Paul. *See* Set-k'opte, Paul.

- Seton, William**, on African knife 4: 243.
- Seton-Thompson, Ernest**
on animal markings 17: 167*.
on tragic death of animals 19: 843.
- Set-pägo**, treaty signed by, in 1867 17: 186.
- Sět'si Mound**, myth concerning 19: 335.
- Set-tádal**
bravery of 17: 315.
treaty signed by, in 1867 17: 180.
- Set-t'aiñte**
acknowledgment to 17: 177, 206-210.
arrest of 17: 188, 328.
at Medicine Lodge treaty 17: 321.
bugle possessed by 17: 327.
capture of, by Custer 17: 187.
efforts for release of 17: 190, 191.
in raid against Ute 17: 306.
portrait of 17: 178, 330.
raids conducted by 17: 329.
release of 17: 195, 337.
resignation of chieftaincy by 17: 338.
surrender of 17: 206.
tipi symbolism of 14: 911.
treaty signed by, in 1867 17: 185.
war party led by 17: 181.
- Set-t'aiñti**. *See* **Set-t'aiñte**.
- Set-t'an**
acknowledgment to 17: 147.
data concerning 17: 146.
portrait of 17: 254.
presentation of calendar by 17: 145.
- Set-t'an Calendar**
description of 17: 144.
period covered by 17: 143.
whereabouts of 17: 146.
- Settlement**, notice of approach to 38: § 803.
- Setzler, Frank M.**, work of 48: 17.
- Seuvarit Uta**, establishment of reservation for 18: 825.
- Sevier, Gen. John**
defeat of Fergusson by 19: 57.
defeat of Indian raiders by, in 1781 19: 59.
expeditions against Cherokee under (1780-81, 1788, 1793) 19: 65, 66, 75, 82.
- Sevier, Gen. John**—Continued
expedition against Chickamauga towns under (1782) 19: 60.
expedition against Hiwassee towns under (1786) 19: 58 sq.
expedition against Overhill towns under (1781) 19: 58 sq.
fort built by 42: 841.
life of 19: 210 sq.
prevention of burning of Chilhowee by 19: 73.
- Sevier County, Tenn.**
collection of relics from 3: 441-456.
vessel from 20: 181.
- Seven**
in Cherokee myth 19: 431, 433.
sacred number of the Cherokee 42: 603.
- Seven Chiefs**. *See* **Council of Seven Chiefs**.
- Seven Cities of Cibola**
attempt to locate 5: xxvii.
expedition to, under Guzman 14: 473.
stories and legends concerning 14: 363, 553.
See also **Cibola**.
- Seven Council-Fires**
application of the term 15: 167.
of the Dakota 15: 221.
- Sevenmile Ford, Va.**, trail by 42: 759.
- Seven Nations of Canada**, land cessions and reservations by 18: 656.
- Seven Sisters**
possessors of tobacco 32: 82.
warfare against 32: 93
- Seven Songs**
a part of No^a'-zhi^a-zho^a ritual 39: 41, 205.
explanation of 39: 77.
songs comprising 39: 78.
- Seven Stars, The**, legends concerning 30: 262-266.
- Severalty**, change from communal property to titles in, slow process of 23: xxxiii.
- Severalty Act**, references to 27: 33, 41, 624, 636.
- Severn**, European ware from site of wreck of 20: 130.
- Sewall**, —, reference to map by 18: 844.

Seward, Indian baskets at 46: 36.

Seward Peninsula

- archeology of 46: 88, 363.
- burials in 46: 90.
- crania from 46: 260, 364.
- Eskimo of 46: 217, 255, 357, 361.
- fossil ivory culture of 46: 174.
- mapping of 46: 176.
- mention of 46: 115.
- old sites of 46: 90, 196, 202, 203.
- skeletal parts from 46: 314-317, 323, 327, 328.
- stone dwellings of 46: 172.

Sewatpalla, a Pā'lus synonym 14: 735.

Sewing

- among Siouan tribes 13: 274.
- instruction in 40: 297, 309.
- materials used in 45: 46.
- method of, in basketry 41: 160.
- of wood 35: 77, 88, 93.
- primitive method of 11: 207, 282.
- symbol in Dresden Codex 16: 237.
- unknown to Pima 26: 150.

Sex

- conception in cosmic order, Omaha 27: 134 *sq.*, 502.
- conception in tribal organization, Omaha 27: 138 *sqq.*, 196 *sqq.*
- conception in tribal organization, Osage 27: 141.
- conception in tribal organization, Ponca 27: 140, 507.
- differences in cranial module and capacity 46: 258.
- forecasting of 30: 274.
- influencing of 30: 84, 96.
- of trephined subjects 16: 63.
- prenatal knowledge of 40: 47, 131.
- restrictions 40: 259.
- taboos 47: 503.

See also **Sexes**; **Sexual Abstinence**; etc.

Sex Relations. *See* **Marriage Customs.**

Sexes

- relations between 42: 386, 388.
 - segregation of the 40: 340; 42: 384 *sq.*
- See also* **Sex.**

Sexual Abstinence while on war party 42: 412.

Sexual Freedom among Guiana Indians 38: § 733.

Sexual Intercourse

- effect of 35: 719.
- public procession of men who have had, with the deceased 38: § 849.

Sexual Life, customs of 30: 309-326.

Sexual Looseness, attitude toward 42: 354.

Sexual Mutilation among Guiana Indians 38: § 507.

Sexuality of Universe, concept of 47: 488.

Seyffarth, *Doctor* —, attempt of, to explain Davenport Tablets 12: 624.

Seymour, E. S.

- on Ojibwa curing wild rice 19: 1065.
- on Ojibwa gathering wild rice 19: 1062.
- on Ojibwa threshing wild rice 19: 1067.
- on Ojibwa tying wild rice 19: 1059.
- on use of birch-bark winnowing fans 19: 1071.
- on wild rice in Lake of the Woods 19: 1035.

Sfaganuk 46: 193.

Sfani. *See* **Ishpani.**

Sfugunugumut

- implements and utensils from 18: 67, 68, 74, 94, 97 *sqq.*, 106, 109, 178.
- ornaments from 18: 56.
- shamanic rites witnessed at 18: 432.
- transportation apparatus from 18: 226, 227.

Shā'awě, a Yakima chief 14: 727.

Sha'be. *See* **Ni'kagahi Sha'be.**

Shabehnay, reservation for 18: 724.

Sha'chidi'ni, a former Caddo Village 14: 1094.

Shadbush

- use of 44: 286, 321.
- See also* **Amelanchier Canadensis.**

Shademah, J. B., reservation for 18: 740.

Shades

- Eskimo belief concerning 18: 394, 422-425.
- Eskimo kinds of 18: 422.
- masks made by Eskimo to represent 18: 394.
- of animals, Eskimo belief concerning 18: 425.

See also **Ghosts**; **Spirits.**

Shadows

- myths concerning 11: 514.
- spirits in 30: 152 *sq.*, 154, 170, 250, 263, 299.

Shafer, P. W., pictographs published by 10: 106-110.

Shaft, Arrow 38: § 130.

Shaft-Rubbers described and figured 13: 126.

Shafter, Colonel —

- on the Few-Tails affair 14: 890.
- troops under, in Sioux outbreak 14: 850.

Shagawaumikong, location of 14: 679.

Shageluk Island

- archeology of 46: 136.
- visit of E. W. Nelson to 18: 20.

Shagodiioweq. *See* **Wind People.**

Shahafi, Osage name of the Sioux 14: 805.

Shahaptian

- and Wailatpuan affinity 15: XLV, XLIX, LIII, LXXXIV.
- bibliography, preparation of 15: XLV, XLIX, LIV, LXI.
- languages, vocabulary of 18: XLIII.

Shahaptian Stock

- implements employed by, in stick games 24: 227.
- mention of the 7: 106.
- tribes of the 24:
 - Klikitat 158, 257.
 - Nez Percé 304, 493, 632.
 - Umatilla 305, 493, 553, 633.
 - Yakima 158, 307.

Shaiela, Sioux name of the Cheyenne 14: 1023.

Shaiena, Sioux name of the Cheyenne 14: 1023.

Shaingwaukokaug Island, cession of 18: 764.

Shaisquihl Peninsula, reservation of 18: 800.

Shakan, Tlingit town

- clans of 26: 410.
- mention of 26: 397.

Shakayuma River, Ariz., reference to 29: 16.

Shakers

- account of the 14: 746, 941.
- character of the 14: 760.
- growth of church of 14: 759.
- organization of church of 14: 758.

Shakers—Continued

- tenets of religion of 14: 759.

Wickersham on religion of 14: 751.

Shakókoli, obscene Arawak dance 38: § 595.

Shaktolik

- implements from 18: 100, 159, 168, 191.

mention of 46: 196, 199.

musical instrument from 18: 350 *sq.*

old site near 46: 171.

people of 18: 24.

ruins near 18: 264.

Shalako. *See* **Sha'läko.**

Sha'läko

- and Hopi ceremony, comparison of 15: 296.

annual festivals of 23: 227, 283.

ceremony of 23: 144.

dance of personators of 23: 601.

entertainer of 23: 142.

festival of 1891 23: 261-273.

gods, night ceremonies of 23: 250-254.

meeting of people in house of 23: 142.

morning ceremonies of 23: 256-261.

See also **Calako.**

Shaler, N. S.

- cited 42: 742, 791.

cited on the buffalo 15: 173.

mention of 42: 786.

on mound-builders 12: 600.

Shallattoos, a W'shā'nātu synonym 14: 736.

Shallowford, N. C., crossing of Cornwallis at 42: 801.

Shalwaj, mention of 44: 35.

Sham Fight, Omaha 3: 295.

Shaman

- as assistant of girl 35: 700.

choice of 44: 192.

chosen by Beast gods 47: 792.

definition of the term 10: 490-499.

duties of 44: 192.

duties of, in battle 42: 437.

goes to meet Supernatural Power 35: 707.

in moon, Eskimo legend of 18: 515.

mention of 4: 190-194, 195, 237, 243; 35: 707, 713, 734.

Navaho 5: 385 *sqq.*

of the Kwakiutl 35: 1141, 1216, 1218, 1259.

Shaman—Continued

- paraphernalia of 3: 106, 111, 112.
- patients cured by 37: 270-275.
- payment of 35: 723, 730, 731, 741.
- power of 47: 793, 794.
- power of, transmitted to child 35: 1076.
- procedure of 35: 725, 729-732.
- rattles of 3: 111.
- sacred song of 35: 708.
- songs 35: 1294-1298.
- sucking body of patient 35: 732.
- summoned to cure illness 47: 791.
- supernatural power of 35: 724.
- taboos of 35: 741.
- use of the term 20: LI.
- women as assistants of 35: 718.

See also Shamanism; Shamans.

Shaman Dance, mention of 35: 1004, 1005, 1018, 1019.

Shaman Dancer, performance of 35: 1009.

Shamanism

- among the Kwakiutl 35: 718, 728.
- among the Northern Indians 11: 194, 273.
- among the Seri 17: 274*.
- among the Siouan tribes 11: 392, 496, 513, 522.
- among the Tsimshian 31: 473-477, 558-564.
- and medicine 42: 614-670.
- description of 31: 558-564.
- discussion of 11: 417, 520.
- mention of 4: 190, 194, 202; 10: 490-500.
- Nass data on 31: 563 sq.
- persistence of 11: 179.
- philosophy of 23: xxxix.
- practice of 37: 254-276.
- use of, in childbirth 40: 319.

See also Shamans; and references.

Shamanistic Societies, organization of 17: xxxiii, xxxiv.

Shamans

- classes of 7: 156-159.
- decline of power of, among Cherokee 7: 336.
- designs used by 45: 431 sq.
- duties of 45: 291.
- Eskimo 9: 422, 423, 431.
- Eskimo names for 18: 428.

Shamans—Continued

- Eskimo, powers, duties and practices of 18: 358, 389, 390, 394, 395, 400, 425, 435, 440.
 - facial painting of 45: 431 sq.
 - medical treatment by 20: LI.
 - mode of payment of, among Cherokee 7: 337 sqq.
 - of the Menomini 14: 61 sq.
 - on hunting party 45: 262.
 - on war party 45: 262.
 - painting described by 45: 439.
 - picture writing devised by 20: CLXVI.
 - position of, among Siouan tribes 11: 371.
 - power of 45: 384 sq., 387.
 - power of songs of 45: 187.
 - practices of 45: 292.
 - religious ceremonies controlled by 20: ciii sq.
 - services of 45: 195 sq.
 - Siouan reverence for 15: 184.
- See also Medicine; Medicine-Men; Priesthood; Shaman.*

Shaman's Basket

- term for 41: 396.
- use of, in treatment of the sick 42: 201.

Shame, death from 30: 381.

Shamrock Mills, La., house mounds near 44: 408.

Shangreau, Louis

- conduct of, in Sioux outbreak 14: 884.
- interpreter for Sioux delegation 14: 891.

Shanks, —, agreement concluded by 18: 847.

Shannon, Earl V.

- acknowledgment to 44: 5 sq.
- reference to 44: 469.

Shanot, genealogy of 14: 57.

Shantok Point

- description of 43: 257 sq.
- legend of 43: 258.

Shantup Point. *See Shantok Point.*

Shanwapappom, a K'tātās synonym 14: 736.

Shapes. *See Forms.*

Shapes of Baskets

- angular, where found 41: 142.

Shapes of Baskets—Continued

- change in 41: 361.
- Chilcotin 41: 135, 361.
- comparison of 41: 414 *sq.*
- distribution of 41: 137 *sq.*, 141.
- Klickitat 41: 361 *sq.*
- Lillooet 41: 361, 362.
- made by older women 41: 159.
- square, where found 41: 135.
- terms used for 41: 397 *sq.*
- Thompson Indian 41: 361, 362.
- used by interior tribes 41: 413.

See also **Forms of Baskets.**

Shaping Processes and Appliances

- Eastern United States pottery 20: 49 *sq.*, 54, 55, 56, 57, 58, 59.

See also **Cords; Fabrics; Modeling; Molds; Paddles; Roulette; Stamps; Tools.**

Shāpupu-'lēma, native name of Yowaluch's followers 14: 760.**Sharks**

- among the Tlingit* 26:
 - crest animal 416, 419.
 - house group name 401, 402, 406.
 - mask of 436.
 - name of gaming stick 444.
 - notions concerning 458.
 - source of personal names 406, 422.
- dogs named for 30: 307.
- heads of, as handle of vessel 34: 73 *sq.*, 86.
- legends concerning 30: 251, 264.

Sharp, Prof. Benjamin, on use of images of birds in games of the Eskimo 24: 103.**Sharp, J. H.**, Indian portraits by, purchase of 22, i: xxxix.**Sharp Nose**

- acknowledgment to 14: 655.
- Cheyenne delegate to Wovoka 14: 776, 900.

Sharpsburg, Ky., prehistoric works at 42: 786 *sq.***Shashamanee**, Menomini treaty commissioner 14: 21.**Shasta**

- games of the 24:
 - double ball 648, 662.
 - ring and pin 528, 553.
 - stick games 258.
- habitat of the 7: 106.
- stone chipping by the 13: 141, 172.

Shasta—Continued

See also **Chasta; Shastan Stock; Siletz Reserve.**

Shasta Valley. *See* **Idakariwakaha; Ikaruck; Kosetah.****Shastan Stock**

- implements employed by, in stick games 24: 227.
- tribes of the 24:
 - Achomawi 257, 307, 332, 494, 633, 661, 703, 712.
 - Amitstei 333.
 - Basiwi 333.
 - Pakamali 333.
 - Shasta 258, 553, 662.

Shastika Indians, women of, face decoration of 10: 220.**Shateras**, supposed to be Tutelos 7: 114.**Shave Head**

- at arrest of Sitting Bull 14: 857.
- killed in Sitting Bull fight 14: 858.
- wounded in Sitting Bull fight 14: 857.

Shaw, Clarence H.

- material collected by 24: 150.
- on dice game, Pima 24: 150.

Shaw, Leonard D., appointment of, as Government ethnologist 19: 70 *sq.***Shaw, Leonard S.**, appointment of, as deputy agent 48: 1187. (Probably same as **Shaw, L. D.**)**Shawanese**

- union of, with Creeks 42: 48.
- See also* **Shawnee.**

Shawano

- among the Cherokee, number of 19: 157.
- anti-American confederacy headed by 19: 72.
- attack on Buchanon's station by 19: 73.
- attitude of, during Revolution 19: 55.
- blood among Cherokee 19: 234.
- character of 19: 461.
- Cherokee invitations to 19: 105, 136.
- Cherokee relations with 19: 14, 15, 31 *sq.*, 38, 384.
- dance of the Menomini 14: 248.
- final defeat of the 14: 672.

Shawano—Continued

- hostility of, to Americans 19: 66 sq., 74.
- incorporation of, with Cherokee 19: 99, 151.
- in Texas, union of, with Cherokee 19: 143.
- languages, study of 13: XL; 14: XLI.
- legends concerning 19: 486 sq.
- legends of Cherokee wars with 19: 370-378.
- meaning of the term 14: 247.
- migrations of the 14: 345.
- myths of the 19: 437.
- personal names of the 14: 683.
- probable origin of Cherokee myths among 19: 235.
- separation of, from Delawares 19: 18 sq.
- sketch of the 19: 484 sq.
- trans-Mississippi migration of 19: 99.
- tribal range of the 14: 683.
- See also Shawnee.*

Shawano Prophet. *See Tenskwatawa.*

Shawata, Henry, reference to 40: 43.

Shawls, Indian, used by Spaniards as sails 13: 25.

Shawnee (Absentee) land cessions and reservations by 18: 850, 856, 902, 940.

Shawnee Dance

- account of 40: 343.
- reference to 40: 329.

Shawnee Indian

- band among the Cherokee of East Tennessee 12: 699.
- burial in stone graves by 12: 697.
- capture of Mary Ingles by 42: 741 sq.
- chief home of, on Cumberland River 12: 693.
- confederation of, with Cherokee 18: 841.
- connection of, with Tukabahchee plates 42: 505, 506, 507, 508, 575.
- doctors of, esteemed by Creeks 42: 627.
- expelled by Cherokee and Chickasaw from Cherokee 5: 356 sq.

Shawnee Indian—Continued

- former residence of 20: 142.
- friendship of, with Tukabahchee 42: 614.
- games of the 24:
 - hidden ball 344.
 - rocket 573.
- habitat of the 7: 79; 42: 712.
- influence of, with Creeks 42: 547 sq.
- land cessions and reservations 18: 650, 654 sq., 662 sq., 666 sq., 676, 684-688, 690, 714, 732, 740, 744, 792, 842 sq., 876, 894.
- linguistic investigations among 28: 225; 47: 3.
- population of the 7: 50; 19: 1108, 1109, 1110.
- pottery of the 20: 139.
- probably in Illinois before entering Cumberland Valley 12: 700.
- relations of, with Cherokee 42: 47.
- sale of land to Modoc by 18: 878.
- salt made by the 12: 696.
- stone graves of the 5: 30.
- supernatural power of the 42: 120.
- trail used by, in trek from Alabama 42: 811.
- tribal sign for the 1: 474.
- war of, with the Chickasaw 42: 811.

See also Savanhaugay; Shawanese; Shawano.

Shawnee Language

- certain forms in 28: 239.
- conjunctive mode in 28: 234, 255, 265, 271, 272, 275.
- consonantic clusters in 28: 283.
- description of 28: 255-258.
- examples in comparison with 28:
 - Abnaki 238, 239, 283, 284.
 - Algonkin 243, 244, 252, 259, 261, 262, 265, 267, 271 sq., 273.
 - Cheyenne 234.
 - Cree 238, 239, 243, 244, 245, 252, 261, 262, 265, 267, 269, 271, 272, 274, 279, 283, 284, 286.
 - Cree Montagnais 259, 287.
 - Delaware 238, 239, 243, 244, 261, 265, 267, 270, 274, 277, 278, 279 sq., 283, 287, 288.
 - Eastern Algonquian 261, 269, 270, 287, 288.

Shawnee Language—Continued

examples in comparison with 28—
continued

Eastern Central Algonquian 237.

Fox 238, 239, 245, 252, 258, 259,
261, 262, 265, 267, 269, 270,
271, 272, 274, 279 *sq.*, 283, 284,
286, 287, 288.

Kickapoo 267, 272.

Menomini 238, 239, 243, 244,
259, 261, 262, 267, 270, 272, 279,
283, 284.

Micmac 238, 272, 279, 284, 288.

Minsi 239, 274.

Montagnais 267.

Natick 238, 239, 243, 244, 265,
273, 274.

Ojibwa 238, 239, 243, 244, 245,
258, 259, 261, 262, 265, 267, 268,
269, 270, 271, 272, 274, 277, 278,
279, 283, 284, 286, 287.

Ottawa 259, 261, 262, 265, 267,
271.

Passamaquoddy 239, 243, 258,
259, 267, 273, 277, 278, 283, 284,
286, 287.

Penobscot 238, 267, 283, 284.

Peoria 238, 239, 252, 259, 261,
262, 265, 267, 269, 270, 271, 272,
273, 274, 277, 279, 283, 284.

Piegán 261.

Potawatomi 259, 262.

Sauk 267, 271, 272.

Stockbridge 238, 284.

Turtle Mountain (Ojibwa dialect)
239.

independent mode in 28: 254, 268,
286, 289.

indicative mode in 28: 273.

noun endings 28: 272.

participial mode in 28: 245, 265, 271.

pronunciation of 28: 227.

relationships of 28: 231, 238, 244,
258, 280, 288 *sqq.*, 290a.

study of 15: LVII, LXI, LXIV, LXVII,
LXXXIII; 16: XXI, XXIV, XXVIII,
XXXVII, XXXIX, XLV, LXXIV.

subjunctive mode in 28: 255, 260,
265, 269.

vocabulary of, construction of 15:
LIII.

Shawnee Prophet

admonitions of 37: 420, 421.

Shawnee Prophet—Continued

Peyote cult connected with teachings
of 37: 69, 73, 74.

plates in possession of 42: 508.

teachings of 37: 69-73.

Shawneetown, Ill.

collection from 30: 22.

occurrence of salt-making vessels
near 20: 28, 186.

trail from 42: 804.

Shawvoshkung, grant of land to 18:
830.

Shaw-wawa Kootiacan. *See* Shă'-
awě.

Shaytee's Village, reservation at 18:
724.

Shea, John Gilmary

aid of 5: xxxv.

on Cabeza de Vaca's route 14: 348.

on curing wild rice 19: 1065.

on Dakota eating wild rice 19: 1085.

on De Soto's route 19: 193, 198.

on early habitat of the Kaskaskias
7: 113.

on early Spanish settlements 19: 27.

on Menomini language 14: 60.

on Menomini native name 14: 12.

on Menomini population 14: 33.

on migrations of the Huron 19:
1055.

on Nambé Pueblo 29: 360.

on Patoqua 29: 398.

on possible conjunction of Coronado
and De Soto 14: 371.

on Rogel's expedition 19: 201 *sq.*

on San Gabriel 29: 228.

on San Juan 29: 213.

on San Pablo ruin 29: 508.

on Spanish mission among Cherokee
19: 29.

on thrashing wild rice 19: 1068.

on wild rice eaten with grease 19:
1084.

on Winnebago and Illinois hostility
15: 196.

quoted on Indian beliefs 11: 431.

reference to work of 11: 363.

Shea's Linguistics, Nambé grammar
in 26: 20.

Sheafer, P. W., on pictographs of
Pennsylvania 4: 226 *sq.*

Sheaths for Eskimo knives 18: 171 *sq.*

Sheboygan County, Wis., mounds in
5: 19.

- Sheegad**, Ojibwa treaty signer 14: 28.
- Sheep, Charley**
 acknowledgment to 14: 655.
 uncle of Wovoka 14: 767.
- Sheep**
 acquired by the Navaho 17: 485, 486.
 Cherokee name for 19: 265.
 fetish, Navaho 2: 44.
 herding, Zuñi 47: 474 *sq.*
 introduction of, among the Pueblos 8: 214.
 introduction of, by the Spaniards 16: 162.
 introduction of, into Tusayan 8: 22.
 given to friars by Coronado 14: 592.
 medicine given to 30: 54.
 merino, imported by Mendoza 14: 375.
 mountain, description of, by Castañeda 14: 487.
 mountain, Navaho myth concerning 8: 282 *sqq.*
 native American 14: 516.
 possessed by the Awatubi 8: 50.
 purchase of, for Kiowa 17: 340.
 raising of, by the Cherokee 19: 112.
 taken by Spanish soldiers for food 14: 501, 535, 542.
See also Mountain Goat; Sheep Horns; etc.
- Sheep Basketry Pattern** 38: § 444.
- Sheep Dance**, mention of 42: 523, 534.
- Sheep Horns**, appearance of, in pictures of Hopi katchinas 21: 102.
- Sheep Raising**
 by the Navaho 17: 481.
 decline of, among the Navaho 17: 503.
See also Sheep.
- Sheep Scapulae**
 appearance of, in pictures of Hopi katchinas 21: 61, 76, 106.
 use of, by Hopi katchinas 21: 85.
 use of, in accompaniments to dance in Hopi festivals 21: 56.
 use of, in making accompaniment for song in Hopi ceremonies 21: 64.
- Sheepeaters**
 land cessions and reservations 18: 878, 898.
 tribal sign for 1: 474.
See also Tukuarika.
- Sheepscot**, local name for Wawenock 43: 172.
- Sheepskin**
 appearance of, in dress of Hopi katchinas 21: 43, 72, 73, 75, 83, 92, 93, 106, 117, 119.
 wig, appearance of, in pictures of Woe 21: 67.
See also Sheep.
- Sheetflood Erosion** in Sonoran province 17: 25 *sq.*
- Sheewanbeketoan**, Ojibwa treaty signer 14: 28.
- Shekkatshokwemau.** *See Tshekatshakewau.*
- Shelby, Colonel** —
 defeat of Fergusson by 19: 57.
 expedition against Chickamauga towns under 19: 55.
- Sheldon, William**, on Carib burial customs 1: 147.
- Shelf Fungus**, use of 44: 289.
- Shell**
 amulets made of 25: 193.
 articles of, similarity of, among mound-builders and Indians 12: 684.
 as primitive vessel 4: 383.
 beads from Honanki 17: 573.
 beads from mound 12: 324, 326, 337.
 beads of Guiana Indians 38: § 74.
 beads used in medicine 30: 50.
 blown by visitors approaching 38: § 803.
 blown in wartime 38: § 758.
 bracelet from Honanki 17: 572.
 calcining of, when used as tempering material 20: 48, 152.
 carving, Antillean 25: 192 *sq.*
 chest ornament 38: § 537.
 copied in pottery 4: 447.
 deposits, examination of 13: xxvi.
 drilling, methods of 13: 165.
 effects of use of, as tempering material 20: 92.
 from Sikyatki graves 17: 739.
 knives, alluded to 15: 84.

Shell—Continued

- magic, of the Menomini 14: 75.
- masks from mounds 12: 376.
- myths concerning 30: 44.
- necklaces and gorgets 13: 358.
- objects of 44: 138-165.
- ornaments of 44: 147-155.
- pictographs on 4: 60.
- pins, described by Dumont 12: 686.
- pins, from mounds 12: 376, 377, 402.
- powdered, use of, as tempering material 20:
 - Appalachee-Ohio pottery 180, 181.
 - Eastern United States pottery 46, 47, 48, 57, 59.
 - Iroquoian pipes 173.
 - Iroquoian pottery 161, 165.
 - Lower Mississippi Valley pottery 103.
 - Middle Atlantic Coast pottery 151, 152, 155, 157.
 - New Jersey-New England pottery 175.
 - Northwestern pottery 199.
 - South Appalachian pottery 133.
 - Southern pottery 187.
- sacred, described and figured 14: 101.
- sacred, given to Mä'näbush 14: 91.
- sacred, in pictography 14: 109.
- sacred, mystic power of 14: 102 sq., 112.
- sacred, of the Winnebago 14: 110.
- sacred, rites of 37: 372 sq.
- scraper, mention of 38: § 17.
- significance of the 14: 1001.
- spoon, mention of 35: 279.
- symbolism of 27: 187.
- tinklers, representation of, in pictures of Hopi kateinas 21: 68.
- use of, as spoons 14: 256, 257.
- use of implements of, in carving stamp paddles 20: 134.
- use of, in beadwork 14: 265.
- use of, in implement making 13: 142.
- use of, in inlaying, South Appalachian province 20: 131.
- use of, in pottery 4: 372.
- utensils of 42: 689.
- work, studies of 13: xxxv.
- working of, by California tribes 14: 266.

Shell—Continued

- See also* Abalone Shells; Clam-shell; Columella; Dentalium; Limpet Rings; Materials; Mollusk; Olivella; Rock-oyster Shell; Shell Heap; etc.; Shells.
- Shell Creek, references to 27: 89, 90.
- Shell Fields of Atlantic slope 15: 19.
- Shell Forms**
 - Eastern United States pottery 20: 63.
 - Florida Peninsula pottery 20: 118, 127.
 - Gulf Coast pottery 20: 108.
 - Middle Mississippi Valley pottery 20: 85, 88, 94.
- See also* Shells.
- Shell Gorgets**
 - use of, by Virginia and Carolina Indians 12: 686, 703.
 - use of, in ceremony 39: 251.
- Shell-heap People**
 - customs of 34: 56 sq.
 - probably cave dwellers 34: 57.
- Shell Heaps**
 - and mounds 20:
 - Eastern United States, occurrence of pottery in 23.
 - Florida Peninsula, burial in 119.
 - Florida Peninsula, occurrence of pottery in 116.
 - Florida Peninsula, pottery of 120 sq., 129.
 - Florida Peninsula, tempering of pottery of 117.
 - Gulf Coast, pottery of 104.
 - Maine, field study of x.
 - Middle Atlantic Coast, occurrence of pottery resembling that of, on Yadkin River 145.
 - Middle Atlantic Coast, pottery of 152, 153.
 - New Jersey-New England province, occurrence of pottery in 175.
 - New Jersey-New England province, pottery from 179.
 - South Appalachian province, occurrence of pottery in 131.
 - excavations of 34: 9, 62; 44: 437-446.
 - of British Guiana 34: 76.
 - of Porto Rico 34: 170 sq.
 - of the Antilles 25: 85 sq., 275.

Shell Heaps—Continued

on eastern coast of Trinidad 34: 66.

See also Middens; Mounds; Shell Mounds.

Shell Money

use of 42: 696, 721 *sqq.*

values measured by 42: 456.

Shell Mounds

collections from 15: xxviii.

in Florida 16: lvii.

investigation of 15: xxi, xxv.

See also Shell Heaps; and references.

Shell Objects

Casa Grande, description of 28: 143 *sqq.*

collection of 3: 437, 446, 448, 450, 452-456, 458, 460, 466.

cone-shaped 34: 86.

disks 34: 86.

from Barbados 34: 86.

from St. Kitts 34: 162 *sq.*

from St. Vincent 34: 123.

implements 34: 78, 79, 80.

mask 34: 235.

pottery stamp 34: 86.

teeth 34: 235.

See also Shell; Shells; etc.

Shell Ornaments

for the ear 12: 402.

from Awatobi 17: 628.

from Pueblo ruins, character of 22, i: 88-93, 187.

in Sikyatki graves 17: 733.

worn by the Pima 26: 163.

See also Shell; Shells; etc.

Shell Rattle, *See* Rattle.**Shell Society**

adornment of members of 27: 519.

ceremonies on death of member of 27: 553 *sq.*

magic practiced in 27: 547, 550, 551, 553, 554-565, 583, 602.

organization of 27: 516-520.

origin of 27: 509-516.

punishment of offenders by 27: 559-565.

reference to 27: 457.

regular meetings, general account of 27: 520 *sq.*

regular meetings, opening ceremony of 27: 521-533.

regular meetings, public ceremony of 27: 533-553.

Shell Society—Continued

relationship to Pebble society 27: 529, 565, 566, 581.

"shooting" of members of 27: 530 *sqq.*, 533, 553.

similar to Grand Medicine of Chipewewa 27: 102.

songs of 27: 31, 533, 537, 543, 546, 598 *sq.*

Shellfish

place of, in Seri dietary 17: 195*.

Tlingit town name 26: 408.

Shells

abalone 35: 1069, 1262, 1272.

appearance of, in pictures of Hopi katchinas 21: 92.

artificial, distribution of 2: 196, 205, 213, 230.

bed of 41: 574.

engraved 12:

a link connecting mound-builders and Indians 701.

found chiefly in areas occupied by Cherokee and Shawnee 702.

from North Carolina mounds 337, 338.

list of localities where found 702.

mention of 224, 306, 307, 338, 369, 377, 383, 384, 402.

for stringing 44: 148.

fossil 46: 109.

highly valued 46: 590 *sq.*

in mounds, engraved 3: 61, 62.

in natural state 2: 187, 191.

marine, used in Pueblo country 11: 114.

necklaces of, in Tusayan costumery 16: 282.

occurrence of symbolic life design engraved on, Eastern United States 20: 101, 138.

pictographs on 10: 209 *sq.*

plates of, over trephined aperture 16: 54.

preceramic use of, for vessels, by American aborigines 20: 25.

sacred, description of 27: 520.

sacred, of the Omaha 17: 242.

Seri use of, as cups 17: 185* *sq.*

Seri use of, as tools 17: 233* *sq.*

suggestion of ornamental features of pottery by 20: 64.

trade in 2: 188, 191, 193, 196, 236.

Shells—Continued

- use of, as models for the potter 2: 188.
- use of, as paint cups 44: 147.
- use of, for necklaces 45: 81.
- use of, in pottery manufacture 20: 51, 56, 84, 135.
- works in, suggesting Mexican influence 20: 42.
- See also* **Cardinal Shells; Sacred Shell; Shell; etc.**

Shelters

- against rain 38: § 296.
- built by Eskimo, when fishing 18: 183.
- fabrics preserved in 13: 29.
- for purposes of hiding in course of hunting 38: § 159.
- house 38: § 293-295.
- in Pueblo fields 8: 60, 98, 217 *sq.*

Shelves in Pueblo buildings 8: 109, 173, 209.

Shenandoah Valley

- character of pottery of 20: 148, 149.
- occurrence of Iroquois ware in 20: 164.
- occurrence of Southwestern ware in 20: 148.
- trail up 42: 761.

Shepherd, James

- illustration of Iroquoian pottery from Connecticut published by 20: 168.
- paper on Connecticut pottery by 20: 178.

Shepherdia 45: 485.

Shepherdia Canadensis 45: 505.

Shepherd's Game. *See* **Patol.**

Shepherd's Purse

- use of 44: 288.

See also **Bursa Bursa-Pastoris.**

Sherds

- use of, in burial, Florida Peninsula 20: 119.

See also **Potsherds.**

Sheridan, Gen. P. H.

- arrest of Set-t'aiñte by 17: 209.
- on Kiowa character 17: 235.
- promises of, to Nez Percé 14: 714.

Sherman, Gen. W. T.

- arrest of hostiles by 17: 188.
- Indian policy of 17: 186.
- mention of 4: 125.
- on Kiowa raids 17: 331.

Sherrard, James, notice of antiquity by 12: 505.

Sherrell, S. R., excavations made by 44: 465.

Sherrell, S. W., acknowledgment to 42: 745.

Sherril, Sion J., mound on farm of, North Carolina 12: 344.

Shetimasha Indian 3: xxiii.

Shiänavo, Comanche name of the Cheyenne 14: 1023.

Shieda, Wichita name of the Cheyenne 14: 1023.

Shield

ceremonial, of Tusayan 15: 269.

copper 46: 35.

description of 27: 452.

mention of 38: § 116.

rawhide, description of 46: 553.

sun, of Tusayan 15: 269, 271.

See also **Shields.**

Shield Game 38: § 608.

Shield-shaped Decorative Figures 20: 127.

Shields

copper, carried in busk ceremonials 42: 564, 565 *sq.*

copper, dance of bearers of 42: 605.

description of 45: 117.

general use of 42: 704.

heraldic, collection of 23: xli.

martial devices on, sacredness of 23: xxiii.

mention of 42: 50.

of the ancient Zuñi 13: 358.

of the Kiowa 17: 231; 23: xxiii.

of the Omaha 13: 287.

of the Virginia Indians 13: 18.

use of 30: 383; 45: 256 *sq.*, 359.

use of, by natives of Trinidad 34: 65.

use of, by Southern Indians 42: 439.

See also **Plates, copper and brass; Shield.**

Shimara, Arawak name for arrow 38: § 128.

Simara Adiduda-kuanna, arrow tightener 38: § 130.

Shimarabo, Arawak name for bow 38: § 125.

Shimek, B., on wild rice in Iowa 19: 1030.

Shimo, Awatobi legend repeated by 17: 602.

Shinerara 46: 109.

Shinguaba Wossin, Ojibwa treaty signer 14: 28.

Shining Rock, myth concerning 19: 480.

Shinnecock, dialect of 43: 214.

Shinny

general description of 24: 561, 562, 616 sq.; 47: 239.

played by the 24:

Achomawi 633.

Arapaho 617 sqq., 620.

Arikara 624.

Assiniboin 616, 636 sq.

Awani 630.

Cheyenne 619 sq.

Chippewa 620 sq.

Chowchilla 631.

Chukchansi 630.

Clallam 632.

Crows 616, 637.

Dakota, Oglala 637 sq.

Dakota, Teton 638 sq.

Dakota, Yankton 616, 639 sqq.

eastern tribes 617.

Eskimo 617.

Eskimo, Western 629.

Gros Ventres 621 sq.

Haida 642.

Hidatsa 641.

Hopi 633 sqq.

Keres 629.

Kiowa 629.

Makah 616, 643 sq.

Menomini 616, 622.

Mikonotunne 623.

Mishikhwutmetunne 623.

Mission Indians 644.

Miwok 617.

mixed tribes 630.

Mohave 616, 644 sq., 646.

Mono 617, 635.

Navaho 617, 623 sq.

Nez Percé 632.

Niska 628.

Omaha 617, 641 sq., 760.

Opata 631.

Osage 642.

Pawnee 625.

Pend d'Oreilles 632.

Plains tribes 617.

Ponka 641.

Powhatan 622.

Santa Barbara 628 sq.

Sauk and Foxes 616, 622.

Shinny—Continued

played by the 24—continued

Shoshoni 635.

Shuswap 617, 632.

Songish 632.

Tarahumare 631.

Tewa 643.

Tigua 642 sq.

Tsetsaut 624.

Tuscarora 629.

Umatilla 633.

Ute, Uinta 636.

Walapai 616, 645 sq.

Wasama 631.

Wichita 625-628.

Yokuts 630.

Yuma 646.

Zuaque 631.

Zuñi 646, 647.

stick of the Arapaho 14: 964.

Shinumo Canyon, Ariz., petroglyphs in 10: 51-121.

Shinumo Pottery 2: 333.

Shinumo Rock Carving 4: 25, 228.

Shi'papolima

location of 23: 407.

mention of 23: 407.

significance of name 23: 407.

those who traveled to 23: 407.

Shipapoo, a Pueblo Indian magic lagoon 14: 659.

Shipaulovi

in 1782 17: 579.

location and settlement of, in Hopi country 19: 579 sq.

Snake dance at, in 1896, reference to 19: 964.

Shipaulovi Flute Altars, comparison of, with those of Mishongnovi 19: 994 sq.

Shi-pi, landing net basket 38: § 423.

Shipley, Washington, mound on farm of, Ohio 12: 446.

Shirley, William

interpreter at treaty of 1865 17: 180.

sacking of store of 17: 205.

Shirts

bark, Guiana Indian 38: § 539.

buckskin, pattern of 37: 106.

medicine, of the Apache 9: 593.

of scalps in Indian "medicine" 9: 476.

of the Eskimo 18: 32, 34.

skin, description of 45: 231 sq., 335.

See also **Ghost Shirt**.

- Shishinowits-Itäniuw'**, Cheyenne name of the Comanche 14: 1043.
- Shish-i-nú-wut-tsit-a-ni-o**, a Kiowa synonym 17: 149.
- Shishmaref**
mention of 46: 97, 115, 202.
ridges of ruins of 46: 172.
- Shishmaref Crania**
basiofacial diameters 46: 279-282.
dental arch 46: 276.
facial 46: 266.
facial angles 46: 285.
means 46: 286.
mention of 46: 257, 260, 262, 263.
nose 46: 268, 270.
orbits 46: 274.
- Shitaimovi**, ruin of 17: 582.
- Shitáimu Pueblo** 8: 28, 48, 49.
- Shits'ukia**, costume and decoration during 23: 133, 134.
- Shivwits**, stone knives among the 14: 283.
- Shiwanish**, a Cayuse synonym 14: 743.
- Shi'wanish**, a Sahaptin synonym 14: 744.
- Shiwanna Society**, purpose of 47: 107.
- Shiwannakwe**
blessing of plume offerings by 23: 434.
definition of 23: 408.
disgusting practices of 23: 437.
dry painting of 23: 428.
fast from animal food by 23: 428.
gods associated with 23: 429, 430.
medicine, method of administering 23: 437.
mention of 23: 428 *sq.*
mi'li of 23: 418.
sacred deerskin of 23: 429.
- Shi'wanni**
of the Nadir, winter retreat of 23: 173-178.
of the North, installation of an associate 23: 168-171.
of the West, filling of vacancy of 23: 167.
retreat of 23: 173.
summer retreat of a 23: 179, 180.
- Shiwina** or **Shiwona**, native name of Zuñi country 26: 24; 28: 46.
- Shiwokugmiut Eskimo**, population of 7: 75.
- Shiwona**. See **Shiwina**.
- Shíwona**, Zuñi name for range of 13: 326.
- Shmoqûla**. See **Smohalla**.
- Shoalwater Bay Reserve**, establishment of 18: 842.
- Shoank - ay - paw - kaw**, Menomini treaty signer 14: 28.
- Shoank Skaw**, Menomini treaty signer 14: 28.
- Shoank-Tshunksiap**, Menomini treaty signer 14: 28.
- Shobonier**, reservation for 18: 738.
- Shockoe Creek**, character of stones along 15: 72.
- Shoe-Boats**, war medicine of 19: 394.
- Shoe-shaped Vessels** of eastern Tennessee 20: 181 *sq.*
- Shoemaker** steatite quarry 15: 124.
- Shoenbrun**
purchase of reserve at 18: 704.
reservation at 18: 650.
- Shoes**
of the Eskimo 9: 129-135; 11: 217; 18: 41.
on Eskimo sleds 18: 208.
See also **Moccasin**; **Sandals**; **Slippers**.
- Shoestring**, mention of 33: 93.
- Sho'-ka (Sho'-ka; Sho'ka)**.
a ceremonial messenger 36: 52, 74; 39: 42.
application of the term 27: 58.
painting of 39: 69.
- S'Homaish** land cessions and reservations 18: 798, 818, 864.
- Shoⁿgeçabe**, keeper of Pack, Ponca 27: 439.
- Shoⁿ-ge-moⁿ-in**
acting as Wa'-doⁿ-be 39: 177.
an informant 39: 242, 260, 278, 285.
child named by 43: 72.
death of 39: 177, 242.
o-doⁿ' count of 39: 179.
recorder of Osage rite 43: 30.
ritual given by 39: 242; 43: 59.
- Shoⁿ-ge-moⁿ-in, Joe**
acknowledgment to 43: 30.
story concerning 43: 91.
- Shongopovi**, pottery of 28: 141.
- Shoⁿtoⁿçabe**, acknowledgment to 27: 58.

Shon'-to-n-ga-be, *Chief*, list of gentes given by 36: 52.

Shook's Ranch

reference to 28: 210.

ruins near 28: 211 *sqq.*

Shooting

arrows 3: 339, 340; 38: § 146.

at the rolling wheel 3: 335.

order of, in the Wocicka dance 3: 345.

"Shooting" of Members

in Pebble society 27: 566.

in Shell society 27: 530 *sqq.*, 553, 557.

Shooting Ritual of the Medicine dance 37: 370, 372.

Shooting Star

Eskimo belief concerning 18: 449.

use of 45: 506, 507

See also Meteor; Stars.

Shore Pine. *See Lodgepole Pine.*

Shoreland Environment, influence of, on pottery 20: 159 *sq.*

Short, John T.

cited 12: 565, 599, 601, 602, 603, 606.

on mound-builders 5: 83.

Short, pictographs for 10: 600.

Short Bull

arrest of band of 14: 876.

assistance rendered by 33: 46.

continued retreat of 14: 867.

delegate to Wovoka 14: 820.

flights of, to Bad Lands 14: 850, 852, 884.

Ghost dance led by 14: 788, 817, 847, 1064.

Indians urged to dance by 14: 849.

operations of, in Sioux outbreak 14: 881.

Pine Ridge agency attacked by 14: 873.

portrait of 14: 851.

surrender of 14: 868.

surrender of, demanded 14: 887.

visit of, to Wovoka 14: 797, 819, 843, 894 .

Short-cut Trail 42: 817 *sqq.*

Shoshonean Stock

information concerning the 26: xxv.

mention of the 7: 108 *sqq.*

method of counting of the 19: 879.

numbers of the 19: 868 *sqq.*, 876, 878, 929.

Shoshonean Stock—Continued

regarded by Buschmann as identical with Nahuatlan 7: 140.

tribes of the 24:

Bannock 159, 307, 495, 678, 713, 728, 742.

Comanche 159, 309.

Hopi 160, 357, 390, 495, 633, 678, 731, 743, 755, 760, 774, 794, 807.

Kawia 165, 310.

Mono 166, 310, 498, 635, 679, 704, 714, 756, 760, 796.

Paiute 166, 311, 333, 498, 553, 662, 704, 744.

Saboba 171, 313.

Shoshoni 168-171, 178, 309, 313, 499, 554, 635, 662, 713, 732, 744.

Tobikhar 172, 314, 500, 680.

Ute 501, 554.

Ute, Uinta 172, 315, 500, 636, 663, 713.

Ute, Uncompahgre 501.

Ute, Yampa 315.

unknown to the Omaha 27: 102.

Shoshoni Indian or Tribe

and Arapaho warfare 14: 954.

and Comanche affinity 14: 1043.

association of, with other tribes 45: 320.

biographical record of the 10: 578.

burial lodges of 1: 153, 154.

cairn burial of 1: 143.

ceremonial of, reference to 11: 375

characteristics of 45: 325.

collections from the 13: xxxiii.

dialect of the, recorded 23: xiv.

displacement of the 45: 317.

divisions of the 45: 304.

driven out by the Crow 45: 318.

early knowledge of the Messiah by 14: 797.

Flathead name for the 45: 301.

games of the 24:

ball juggling 712, 713.

dice games 168-171, 178.

double ball 648, 662.

hand game 276, 309, 313.

hoop and pole 421, 422, 499 *sq.*

ring and pin 554.

shinny 635.

stilts 732.

tops 744.

Shoshoni Indian or Tribe—Con.

- gesture signs of, for cold 10: 606.
- Ghost dance among the 14: 805, 806, 807, 809, 817, 894.
- habitat of the 45: 304 sq.
- habitat of the, in about 1896 14: 806.
- influence of Ghost dance over the 14: 926.
- Kiowa name of the 17: 160.
- land cessions and reservations 18: 822, 828, 846, 850, 854, 858, 874, 878, 880, 884, 890, 894, 898, 904, 906, 924, 926, 928.
- linguistic affinity of the 14: 525.
- mention of the 4: 140, 141, 229.
- Messiah delegates among the 14: 818, 894.
- method of scraper making 13: 169.
- myth of the 1: 26, 27.
- name for Ghost dance 14: 791, 920.
- name for the whites 14: 703, 978.
- name of, in sign language 45: 147.
- name of the Arapaho 14: 954.
- name of the Cheyenne 14: 1023.
- name of the Comanche 14: 1043.
- name of the Gros Ventres 14: 955.
- name of the Paiute 14: 1048.
- name of the Sioux 14: 1057.
- petroglyphs by the 4: 227, 228; 10: 680 sqq.
- petroglyphs interpreted by 10: 128, 129.
- pictographic notice of guidance by 10: 353 sq.
- pictographic notice of hunt by 10: 331.
- pictographs of the 4: 25, 155, 215, 216, 231.
- population of the 7: 110.
- reception of, into Mormon church 14: 790.
- stone arrowpoints of the 14: 282.
- stone-chipping by the 13: 141, 173.
- study of language of 23: xxxv.
- study of the 14: 654.
- Tävibo among the 14: 701.
- tribal designations of the 10: 387 sq.
- tribal signs for the 1: 474.
- use of hammerstones by the 13: 95.
- use of notched sticks by, for recording time 10: 227.
- visit of Äpiatañ to 14: 911.
- visit of, to Washington 34: 28.

Shoshoni Indian or Tribe—Con.

- visit of, to Wovoka 14: 818, 894.
- war of, with the Salish 45: 126 sq.
- Shoshoni-Goship**
 - land cessions and reservations 18: 830.
 - See also* Piaute; Uta.
- Shoshoni Language**, grammatical notes on 26: XXII.
- Sho'tikianna, Arrow Order**
 - arrow swallowing by members of 23: 513.
 - arrows, description of 23: 513.
 - closing ceremony of 23: 515.
 - decoration of members of 23: 512.
 - indoor dance of 23: 512.
 - men, washing of heads of 23: 512.
 - novice, arrow ceremony over 23: 513.
 - origin of 23: 511-515.
 - time of holding ceremonial 23: 511.
- Shouting and advertising** 38: § 822.
- Shovel-like Tools** in steatite working 15: 171.
- Shovels**
 - Casa Grande, of stone 28: 131 sq.
 - Casa Grande, of wood 28: 115, 146.
 - of the Eskimo 18: 78 sq.
 - snow, of the Eskimo 9: 305.
 - See also* Spades.
- Sho'wekwe**, fraternity of 23: 413.
- Shredders** for making sinew thread, Eskimo 18: 111.
- Shreveport, La.**, investigations near 44: 406 sqq.
- Shrew**, myths concerning 11: 39.
- Shrew-mouse, Sea**, Eskimo mythic animals 18: 442.
- Shrine**
 - ceremonial opening of 45: 563, 710.
 - closing of 45: 726.
 - court of Shumopavi 8: 75.
 - court of Shupaulovi 8: 71.
 - discovery of an ancient 23: xv.
 - in Cipaulovi ceremony 16: 281.
 - making of 45: 716 sqq.
 - Matsaki 8: 86.
 - of the symbolic hawk, origin of 45: 681.
 - of the Wa-xo'-be, symbolism of 45: 531.
 - Tâaaiyalana 8: 90.
 - the great portable 36: 71 sqq.
 - See also* Shrine, Portable; Shrines.

Shrine Degree of Osage tribal rites
45: 680-727.

Shrine, Portable

articles composing the 29: 92 *sq.*
for ceremonial use 36: 70.
making of 39: 42.
opening of 39: 93, 95.
songs of opening of 39: 260-264.
symbolic club attached to 39: 356.
symbolism of 39: 301.
untying of 39: 88.

Shrines

appearance of, in Pamürti 21: 27.
at Awatobi, description of 17: 619 *sqq.*
at Walpi 17: 586.
Casa Grande, description of 28:
101.
Casa Grande, objects found in 28:
98, 101, 121, 135, 142 *sq.*
Casa Grande, reference to 28: 98.
description of 33: 262.
list of, gods of war 23: 606.
mention of 47: 275.
near Tukinobi 17: 589.
of Sonora Indians 14: 515.
of the Hopi 17: 613.
of the Zuñi 30: 25.
of war gods 47: 525, 663.
Pima and Hohokam 26: 254 *sqq.*
principal 29:
of Cochiti Indians 419 *sq.*, 428.
of Nambé Indians 376.
of Picuris Indians 194, 339.
of San Ildefonso Indians 295, 308.
of San Juan Indians 222.
of Santa Clara Indians 249.
of Tesuque Indians 389.
reference to 342, 451.
Pueblo 8: 72, 148, 167.
robbed by the Navaho 17: 612.
rock 47: 125.
taboo concerning 47: 502.
unearthed at Awatobi 17: 613.
use of, in Hopi festivals, for recep-
tion of prayer-sticks 21: 31.
See also Altar; Shrine; Shrine,
Portable.
Shu'degaxe, Ponca
keeper of park 27: 43, 439.
story told of 27: 446.
Shu'denaqi
account of 27: 248.
legends told by 27: 70, 223 *sq.*
on site of old Omaha villages 27: 72.

95719°—33—60

Shuffleboard

played by the 24:
Assiniboin 728.
Dakota 728.
Dakota, Teton 728.
Dakota, Yankton 728 *sq.*
Hidatsa 729.

Shu'laawitsi, use of firebrand by
23: 157, 158.

Shu'maakwe

acquisition of masks by 23: 531.
altar, sprinkling meal on 23: 534.
ceremonies, similar among the Hopi
23: 547.
dancers 23: 542, 546.
meaning of 30: 44.
medicines used by 23: 543-546;
30: 43, 44, 46, 50, 52, 55, 56.
mi'li of the 23: 417.
novices 23: 533, 540, 541.
patron gods of 23: 530.
plants, medicinal, collection of 23:
543.
songs, language of 23: 545.
visit of gods 23: 548 *sq.*
water, ceremony with cigarette over
consecrated 23: 539.
women, dress of 23: 538.

Shumagin Islands, mask from 3:
140.

Shumai'koli

costume worn by 23: 536 *sq.*
dance of 23: 539.
mask of 23: 536, 541.
of the North, dance of 23: 540.
wearing of masks of 23: 531.
Zuñi deities 30: 43.

Shumeia, war symbols 4: 88.

Shumopavi

by whom built 8: 27.
description of 8: 73-76.
fireplace and chimney of 8: 176,
177.
ground cooking-pit of 8: 178.
kivas of 8: 113, 114, 137.
people, removal of, to Mesa site
8: 23.
piki stones at 8: 176.
primitive andiron at 8: 176.
removal of portion of Bear people
from 8: 27.
Spanish mission established at 8: 22.
study of altar at 19: XLVII, XLVIII,
XLIX, L *sqq.*

Shumopavi-Oraibi boundary stone
8: 28.

Shumopovi. *See* **Shumopavi.**

Shumopovi, Old

ruins of, bowl with snout from, cut
showing 22, i: 114.

ruins of, stoppage of excavation at
22, i: 112.

ruins of, general features of 22, i:
111 *sqq.*

ruins of, pottery from 22, i:

bird design on 115-118.

decoration of 114-119.

gaming-cane design on, cut show-
ing 118.

general features and form of 113.

rain cloud design on, mention
of 156.

reptilian design, description of
115.

reptilian design, figure showing
114.

specimens collected at, number of
18.

Shumway, Ariz., pueblo ruins near
22, i: 164.

Shunien

genealogy of 14: 58.

portrait of 14: 59.

Shuñopovi

in 1782 17: 579.

location of, in Hopi country 19:
579.

Old, discussion of 17: 582.

Snake dance of, in 1896, reference to
19: 964.

See also **Shumopavi.**

Shupaulovi

description of 8: 71 *sqq.*

description of chimney-hood at 8:
171, 172.

description of dais of kiva of 8:
123.

direction of kivas of 8: 115.

ground and ceiling plans of kiva of
8: 125.

list of kivas of 8: 136.

mungskiva of, description of 8: 113.

passageway at, description of 8:
181.

settlement of Bear people at 8: 30.

settlement of Paroquet and Ketchina
peoples in 8: 27.

Shupaulovi—Continued

settlement of the Water people at
8: 32.

when established 8: 29.

Shuré, Isletan moiety 47: 261.

Shuswap Indian or Tribe

basketry of the 41: 133, 154, 155,
156, 157, 182, 228, 230, 336, 351
sq., 361, 362.

Flathead name for the 45: 300.

games of the 24:

archery 383, 390.

cat's cradle 773.

dice game 156.

hand game 302.

hoop and pole 491.

running races 806.

shinny 617, 632.

stick games 252 *sq.*

meaning of the name 45: 146.

notices by the 10: 340.

territory of the 45: 213.

trade routes of the 45: 251.

Shute, Samuel, quoted on Maine's
Indian policy 18: 609.

Shuttlecock

formation of, from husks 30: 100.

played by the 24:

Bellacoola 717.

Kwakiutl 718.

Makah 718 *sq.*

Nimkish 719.

Northwest tribes 717.

Opitchesaht 719.

Pima 717.

Skokomish 717.

Zuñi 717, 719 *sqq.*

Shuttles

Eskimo, derivation of pattern of
18: 192.

for making nets, Eskimo 18: 191
sq.

for making sinew thread, Eskimo
18: 111.

stone, possible use of 13: 117.

Shuyelpee, name for Colville Indians
45: 198.

Shyi(c)ks

mention of the 14: 738.

See also **Yakima.**

Sia Indian

and Hopi Snake dance, comparison
of 16: 306.

Beast Gods of the 29: 43.

Sia Indian—Continued

- cardinal birds of 29: 43.
- cardinal mountains of 29: 44.
- cardinal snakes of 29: 43.
- cardinal trees of 29: 44.
- cosmogony of the 23: 408.
- dancing of the 23: 497.
- guest, performance by 23: 497.
- kisi of the 16: 297.
- name for the 29: 574.
- population of the 7: 83.
- preparation of memoir on 15: xxii, xxv, xxx.
- reference to 29: 518.
- report on the 14: xliv.
- researches concerning the 11: xxx, xxxix, 3.
- Snake dance of the 16: 305, 309.
- study of fraternities and cults of 19: xlvi.
- study of the, by Mrs. M. C. Stevenson 26: xvii.
- See also Keres.*

Sia Katcinas, notes on 47: 1001.

Sia Pueblo

- act of Congress affecting 18: 922.
- collection from 18: xxviii, xlvii.
- mention of 14: 525.
- mention of, by Jaramillo 14: 587.
- See also Chia.*

Sia'al Tcu-vtaki, chief of 26: 24.

Si'aa'te'wita

- dancing around tree in 23: 542.
- meaning of the name 23: 62.

Siachi'nika, treaty signed by, in 1867 17: 186.

Siahs, scarification practiced by the 24: 238.

Sialim Civanvaaki, Pima name for Casa Grande 28: 33.

Sialim Tcutuk. *See Morning Green.*

Si'apkat, a Piskwaus band 14: 735.

Si'atcokani

- class of Pima medicine men 26: 256, 258-262.

See also Medicine Men.

Siba, significance of the term 28: 46.

Sibabi, site of old Patki pueblo 19: 597.

Sibbald, John A., special agent to Cherokee 19: 175.

Sibbold, —, material collected by 24: 535.

Siberia

- explorations of E. W. Nelson in 18: 20 sq., 23.
- petroglyphs in 10: 186 sqq.
- pictographs in 4: 245, 246.
- tattooing in 10: 414.
- use of knotted cords for mnemonic purposes in 10: 226.
- wild rice in 19: 1037.
- See also Asia; Siberian.*

Siberian

- and Tartar inscriptions 10: 188.
- Eskimo, tattooing by the 18: 51.

Sibert Farm, flint on 44: 527.

Sibley, —

- on Cherokee in Arkansas in 1805 19: 101.
- on Mobilian trade language 19: 187.
- quoted on the Caddo 14: 1094.

Sibley, Colonel —, mention of 4: 124.

Sibley, H. F., cited 12: 658.

Sibley, John

- Attacapan researches of 7: 57.
- on Caddo habitat 7: 61.
- on Karankawa habitat 7: 82.
- on Kwapa habitat in 1805 15: 193.
- on languages of Adaizan family 7: 46 sq.
- states distinctness of Tonika language 7: 125.

Sibola. *See Cibola.*

Sibscota, mutes of the seraglio 1: 307.

Sibu'lodá' Isleta name for buffalo 14: 517.

Sicard, L'Abbé —, on deaf mute signs 1: 277, 288, 362.

Sicasica, Peru, writings found at 10: 672.

Sicaugu 1: 158.

Sichañgu, a Teton division 14: 1058.

Sichu People

- a division of the Corn people 47: 273.
- officials of 47: 273 sq.

Sichumovi

- celebration of Butterfly festival at 21: 58.
- celebration of Owakulti at 21: 58.
- celebration of Pamürti at 21: 21, 26.
- comparison of, with Walpi 17: 642.

Sichumovi—Continued

- component clans of 19: 582 *sqq.*
- derivation of katchinas in 21: 125 *sq.*
- derivation of the term 8: 38.
- description of 8: 62, 63.
- detached houses in 19: 649 *sq.*
- direction of kivas of 8: 115.
- East Mesa Natacka masks in 21: 70.
- figurines of Corn maiden possessed by Honani clan of 21: 87, 88.
- fireplace and mantel of 8: 173.
- founded by Asa women 19: 611.
- list of kivas of 8: 136.
- location and settlement of, in Hopi country 19: 579 *sq.*
- ownership of kiva of 8: 134.
- piki stone at 8: 175.
- planting of beans at 21: 31.
- population of, by clans 19: 614.
- poultry-house of 8: 167.
- pueblo, language and culture of 19: 633.
- ritual 19: 632.
- serpent effigies owned by 21: 51.
- settled by people from Walpi 8: 31.
- Tewa name for 17: 642.
- visitation by Ahül to houses in 21: 34.
- when established 17: 578, 636.
- Sicily**, gesture language in 1: 298.
- Sick**
 - carried away by spirits 35: 1118.
 - See also Patient; Sickness.*
- Sickels, Miss E. C.**
 - acknowledgment to 14: 655.
 - Sword's account of Ghost dance presented by 14: 797.
- Sickness**
 - and hygiene 38: p. 702-714 (Ch. xxxvi).
 - assistance during, by clansmen 47: 39.
 - at Anvik 46: 56.
 - averted by feast 37: 319 *sq.*
 - belief concerning 37: 171.
 - cause of 30: 170, 181, 182, 241, 250 *sq.*, 266, 345 *sq.*, 348, 349.
 - caused by supernatural beings 42: 496 *sq.*
 - caused by witchcraft 47: 793.
 - cure for 30: 182, 290, 338, 345-353.
 - effect of rain on 30: 348.

Sickness—Continued

- forecasting results of 30: 233, 275, 331.
- objects extracted from body in 30: 346, 352, 361, 379.
- possible effect of 47: 137.
- removal of, by shaman 35: 1217.
- restriction during 30: 296, 348.
- signs of 35: 603 *sq.*
- treatment of 42: 622-626, 710; 44: 263 *sq.*, 322; 46: 423 *sq.*; 47: 107-111, 241-245, 791 *sq.*
- urine protection against 35: 668.
- See also Curing; Disease; Epidemics; Illness; Medicine; Medicine Societies; Sick; Smallpox; Tuberculosis; and names of various diseases.*
- Sicuchimatl**, ruins of 25: 244, 246 *sq.*
- Sidaru**, Eskimo village, Alaska 9: 44; 46: 169.
- Sides, Johnson**
 - visit of Capt. Dick to 14: 784.
 - Wovoka confounded with 14: 765.
- Sides of Baskets**, construction of 41: 179 *sqq.*
- Sierra Estrella Mountains**
 - mention of 26: 82, 255.
 - See also Kâ'matûk Mountain.*
- Sierra Kunkaak**, features of 17: 23, 42.
- Sierra Leone**, scarification in 10: 417.
- Sierra Madre, Mexico**, cliff houses in 28: 151.
- Sierra Menor**, features of 17: 23, 43.
- Sierra Nevada**
 - field work in 20: x.
 - pictographs of 4: 31.
- Sierra Seri**, features of 17: 23, 41 *sq.*
- Sierrito**. *See Dohásän.*
- Sieversia Ciliata**, use of 44: 293, 342, 364, 366.
- Sieves**
 - of basketry 13: 17.
 - used by Eskimo in preparing snuff 18: 272.
- Sifter**
 - cassava 38: § 356-360.
 - ite 38: § 408.
- Sigālowāda Sutta**, quotation from 15: cxix *sq.*

Sight

- acuteness in sense of 46: 527 *sq.*
- fish attracted by 38: § 189.
- pictographs for 10: 600 *sq.*

Sigmodon Hispidus Arizonae, found in Pimería 26: 80.

Sign Language

- abstract ideas expressed in 1: 348.
- among the Alaskans 1: 513.
- among the Flathead 45: 373.
- among the North American Indians, cited 4: 24, 132, 137, 155, 234.
- among the Siouan Indians 15: 168.
- among the various tribes 45: 135 *sq.*
- and pictographs 2: xxii.
- antiquity of 1: 285.
- Apache pictographs connected with 1: 372.
- archeologic research connected with 1: 368.
- arrangement in description of signs in 1: 546.
- as medium of Ghost dance communication 14: 808.
- Australian 1: 306.
- authorities in, list of 1: 401.
- Chinese characters connected with 1: 356, 357.
- collaborators in, list of 1: 401.
- comparison, degrees of 1: 363.
- conjunctions in 1: 367.
- convention, not requiring 1: 334.
- corporeal gestures in 1: 270, 273.
- correspondents, foreign, on 1: 407.
- deaf mutes, of uninstructed 1: 277.
- dialects, numerous, connected with 1: 294.
- dialogues in 1: 486.
- dictionary of, extracts from 1: 409.
- discontinuance of 1: 312.
- discourses in 1: 521.
- Egyptian characters connected with 1: 304, 355, 357 *sqq.*, 370, 379, 380.
- emotional gestures in 1: 270.
- ethnologic facts connected with 1: 384.
- evolved rather than invented 1: 319.
- facial expression in 1: 270, 273.
- fingers, details of position of, in 1: 392, 547.
- gender in 1: 366.
- grammar connected with 1: 359.
- hand positions, types of, in 1: 547.

Sign Language—Continued

- history of 1: 285.
- illustration, scheme of, in 1: 544.
- Indian 1:
 - and deaf mute, comparison of 320.
 - and foreign, comparison of 319.
 - special and peculiar 319.
- Indian languages compared with 1: 351.
- Indians, conditions favorable to 1: 311.
- Indians, once universal among 1: 324 *sqq.*
- Innuït 1: 307.
- interrogation, mark of, in 1: 367.
- invention of new signs in 1: 387.
- Italian (modern) 1: 285, 305.
- list of signs used in 45: 136–144.
- Maya characters connected with 1: 356, 376.
- Mexican characters connected with 1: 357, 375, 377, 380, 382.
- mistaken denial of existence of 1: 326.
- modern use of 1: 293.
- modern use of, by other than North American Indians 1: 320.
- motions relative to parts of body in 1: 393, 545.
- narratives in 1: 500.
- negation or affirmative in 1: 391.
- of Cistercian monks 1: 283, 364.
- of the Okanagon 45: 261.
- Ojibwa pictographs connected with 1: 371, 372, 380, 381.
- opposition in 1: 364.
- oral language not proportioned to development of 1: 293, 314.
- origin of 1: 273.
- origin of, from a particular tribe 1: 316.
- outlines of arm positions in 1: 545.
- period, mark of, in 1: 368.
- Peruvian characters connected with 1: 361.
- phrases in 1: 479.
- pictographs connected with 1: 368.
- practical application of 1: 346.
- preceded articulate speech 1: 274, 284.
- prepositions in 1: 367.
- prevalence of Indian system of 1: 323.
- proper names in 1: 364, 476.

Sign Language—Continued

- Pueblo pictographs connected with 1: 373.
- punctuation in 1: 367.
- reference to 22,i: xxx.
- relation of philology to 1: 349..
- researches in, how made 1: 395.
- resemblance of, to Indian languages 1: 351.
- results sought in the study of 1: 346.
- seraglio, of the mutes of the 1: 307.
- Sicilian 1: 295.
- sociologic conditions connected with 1: 293, 294.
- South American 1: 307.
- study of 19: xxvii.
- survival of 1: 306.
- syntax connected with 1: 359.
- tense in 1: 366.
- time in 1: 366.
- tribal names in 45: 144-148, 200.
- tribal signs in 1: 458.
- use of 42: 446; 44: 247.
- work in 11: xxxi; 14: xxxi; 15: xx, xxiv, xxix, xxxvi, xlii, xlv, xlvi, l, liv, lviii, lxii, lxv, lxxxi; 16: xix, xxii, xxvi, xxxii.
- writing, origin of, connected with 1: 354.

Sign, Tribal

- of the Arapaho 14: 954.
- of the Arikara 17: 158.
- of the Caddo 14: 1092.
- of the Cheyenne 14: 1024.
- of the Comanche 14: 1043.
- of the Dakota 17: 281.
- of the Hidatsa 17: 159.
- of the Kiowa 14: 1078; 17: 150.
- of the Kiowa Apache 14: 1081; 17: 246.
- of the Mandan 17: 159.
- of the Sarsi 17: 160.
- of the Sioux 14: 1057

See also **Signs.**

Signal Fires, approach of salt-gatherers warned by 23: 359.

Signal, War, of the Sioux 14: 869.

Signaling by various means 14: xxxii.

Signals

- Apache 1: 534.
- Cheyenne and Arapaho 1: 542.

Signals—Continued

- dust 1: 541.
- executed by bodily action 1: 529.
- fire arrows used in 1: 540
- foreign 1: 549.
- smoke 1: 536.
- system of 45: 157 sq.
- use of 45: 149 sq.
- When person signalling is not seen 1: 536.

with personal action 1: 532.

Significance of color 4: 54.

Signification of certain decorative figures on pottery 2: 332.

Signs

- abbreviation in 1: 338.
- and omens of luck 43: 272 sqq.
- and signals of the road 38: § 778.
- arbitrary 1: 340.
- bird 33: 619, 649.
- body feelings as 35: 603 sqq.
- classification of 10: 607 sqq.
- cloud 33: 305, 306, 626.
- conventional 1: 333, 336, 340.
- eries of raven as 35: 606.
- diversities in classes of 1: 341.
- forced 1: 336.
- homomorphy of, with diverse meanings 1: 342.
- indicating changes in weather 43: 270 sq.
- indicating death 43: 393.
- mention of 33: 301, 304, 318, 321; 35: 603-606.
- miscellaneous 33: 621, 649, 650.
- mistaken 1: 336.
- natural 1: 307, 340.
- of death 35: 603 sq., 605, 707 sq.
- of eating all 35: 607.
- of particular achievements 4: 183.
- of recovery from sickness 35: 707.
- of sickness 35: 603 sq.
- of success in hunting 35: 605, 642.
- of success of fish trap 35: 613.
- of uninstructed deaf-mutes 1: 277.
- of visitor coming 35: 605.
- of weather 35: 605.
- oral language not proportioned to development of 1: 293, 314.
- perfume 33: 625, 629.
- permanence of 1: 329.
- power of, compared with speech 1: 347, 349.
- rainbow 33: 630, 649, 650, 656.

Signs—Continued

- storm 33: 307, 628, 629, 630, 655, 657.
- survival of, in gesture 1: 330.
- symbols and emblems 10: 607-618.
- symmorphs in 1: 343.
- synonyms in 1: 341.
- systematic use of, distinguished from uniformity of 1: 330.
- taboo 33: 310, 622.
- theories of Indians respecting 1: 313.
- use of, by Plains Indians 14: 504, 527.

See also Sign, Tribal.

Sigüenza y Gongora, Carlos

- cited as to calendars 3: 43.
- on Jemez 29: 403.

Siha-Sapa. *See* Blackfeet.**Sihaspa, a Teton division** 14: 1059.**Sikassige, Ojibwa Indian**

- account of origin of Indians furnished by 7: 172 sq.
- explanation of Mille Laes chart by 7: 174-181.

S'ikanasā'nk'ī-ān, Tlingit town 26: 397.**Sika'tcu**

- ornament made by 26: 163.
- sketch of 26: 17 sq.

S'iknaxa'di, Tlingit clan

- crests of 26: 417.
- history of 26: 411.
- phratry and tribe of 26: 399.

Sikosuilarmiut Eskimo Tribe, situation of 6: 421, 463.**Siksika**

- Algonquian major linguistic division 28: 229.
- crania, work done on 44: 5.
- population of 7: 50.
- See also* Blackfoot.

Sikya Cipikne. *See* Cipikne.**Sikyabotima, Flute courier at Walpi** 19: 1001-1004.**Sikyahonauwû**

- man of Tüwa clan 19: 596.
- use of house of, in Pamürti 21: 28.

Sikyaowatcomo, rocky eminence near old Hano pueblo 19: 615.**Sikyatki**

- abandoned before 1540 33: 218.
- and Awatobi pottery, comparison of 17: 623, 659.

Sikyatki—Continued

- and modern Hopi pottery, comparison of 17: 649.
- derivation of Hemico from 21: 115.
- derivation of Masauû from 21: 38.
- destruction of 17: 633; 21: 115.
- etymology of 17: 636.
- excavation at 14: 519; 33: 218.
- excellence of painting on pottery from 21: 15.
- founding of 19: 586.
- Hopi territory owned by 21: 38.
- inhabitants of, settle at Awatobi 17: 596.
- introduction of Eototo from 21: 77.
- legend connected with 21: 117.
- mortuary customs of 28: 117, 118.
- people, dispute with the Walpi by 8: 24.
- people harassed by Walpians 17: 588.
- people of, familiarity with Katsina cult by 21: 117.
- people slaughtered by the Walpi 8: 25.
- pottery from 21: 112; 28: 134, 156, 158 sq.
- pottery from, decoration on, general character of 22, i: 133, 153.
- pottery from, features of 22, i: 151, 153.
- pottery from, rain-cloud symbols on, mention of 22, i: 156.
- pottery from, value of testimony of 19: 604.
- prehistoric character of 17: 592, 632.
- prehistoric pottery of 33: 217.
- probable cause of overthrow of 33: 219.
- pueblo of 8: 24.
- pueblo of, destruction of 19: 580.
- reasons for excavating 17: 591.
- ruins of 8: 20, 21; 33: 218.
- ruins of, description of 17: 631-742.
- ruins of, examination of 17: 535.
- vicinity of, ancient kiva in 8: 117.
- work at 17: xxxix.
- See also* Kokop Clan; Tusayan.
- Sikyatki Katsina**, designation of Hopinyû as a 21: 112.

- Silas, Mrs. Monica** 46: 48.
- Silence**, sign for 1: 304.
- Siler, D. W.**, East Cherokee census by 19: 167.
- Silerville, Ky.**, trail crossing at 42: 843.
- Siletz Agency Indians**
linguistic work of J. O. Dorsey among 6: xxxvi.
standard of life of 19: 1079.
study of language of 30: 21.
- Siletz Reserve**
changes in 18: 838, 878, 948.
establishment of 18: 812, 814.
- Silica**
formation of 44: 507.
See also Chert, varieties of.
- Silicious Tempering**
Eastern United States pottery 20: 29.
Gulf Coast pottery 20: 113.
Iroquoian pottery 20: 161, 165.
New Jersey-New England pottery 20: 175.
Northwestern pottery 20: 188, 196, 197, 200, 201.
South Appalachian pottery 20: 144.
See also Materials; Quartz; Rock; Sand.
- Silk-cotton Tree**
formation of man from 30: 144 sq.
power of motion credited to 30: 229 sq.
spirits associated with 30: 228, 229 sq., 231.
string figures of 38: § 683-685.
use of, for boats 38: § 794.
- Silla**, collection from 2: 454.
- Sills of doors** 8: 110, 186, 194.
- Silphium Laciniatum** 33: 132.
- Silphium Perfoliatum**
medicinal constituents of 44: 305.
medicinal properties of 44: 302.
mention of 33: 132.
use of 44: 293, 340, 356, 358.
- Silsbee, T. H.**, on Porter-Johnson episode 17: 122.
- Silver**
breastplates of 42: 685.
chest ornaments of 38: § 537.
ear ornaments of 38: § 506.
found by Coronado at Cibola 14: 563.
- Silver—Continued**
found by Spaniards at Yuqueyunque 14: 511.
mention of 38: § 86.
mines in Culiacan 14: 514.
myths concerning 19: 350 sq.
nose and ear ornaments of 38: § 505.
obtained by Indians from Spanish wrecks 12: 712.
ornaments made of 44: 241.
plate, with Spanish coat-of-arms from Mississippi mounds 12: 275.
reports of, from Quivira 14: 503, 504, 512.
use of 46: 591.
use of, by Pueblo Indians for glazing 14: 526.
use of, in Indian trade 14: 472.
workers, stories of 14: 473.
- Silver Brooch.** *See* Tā'sawi.
- Silver-foil**, pieces of, from mound 12: 501.
- Silver Knife**, death of 17: 308.
- Silver Perch**
oil of, for anointing body 35: 704.
oil of, for head of child 35: 666.
- Silver Salmon**
boiled 35: 353. *
first caught, treatment of 35: 610.
mention of 35: 240, 348.
roasted 35: 241.
spawn 35: 237.
spawn of, boiled 35: 345.
spawn of, with fern roots 35: 523.
- Silver Spring, Fla.**, occurrence of fiber-tempered ware at 20: 122.
- Silver Wave**, the 46: 84, 85, 86.
- Silverballi Tree**
effects of 30: 233.
spirits associated with 30: 228, 233.
- Silverberry**, use of 45: 496, 508.
- Silverheels, Henry**, Seneca informant 32: 52.
- Silversmithing**
among the Navaho and Pueblos, origin of 2: 171.
among the Zuñi 13: 339, 340; 23: 377.
- Silverweed**, use of 45: 480.
- Silvestre, E.**, *Paléographie universelle* of 6: 267.
- Simel, Max** 46: 65.

Simoén, Rémi

classificationn of Seria family by 17: 104.

on dice game, Aztec 24: 160.

on Nahuatl number names 19: 866, 883.

Similar, sign for 1: 385.

Similarity of ornamentation of clay vessels 2: 327.

Similaton, Honduras, method of forming numbers 19: 916.

Similes 33: 621.

Similitude, development of 19: LXXXVIII sq.

Similkameen Indians

a division of the Okanagon 45: 203, 204.

bags made by 45: 220.

basketry of the 41: 144, 157.

Flathead name for 45: 300.

implements used by 45: 217.

Indian names for 45: 200.

name of, in sign language 45: 146.

population of 45: 212.

Simmondsia, Calif., Pima food plant 26: 78.

Sim-mo-me-jee, warrior of the Creek nation 42: 327.

Simmons, C. S., article by, on Peyote cult 40: 17.

Simmons, J. W.
a delegate to the Yakima 14: 1111.

elected elder of Shaker church 14: 758.

Simms, P. E., acknowledgment to 44: 437.

Simms, S. C.
acknowledgments to 24: 29.

material collected by 24: 61, 86, 112, 165, 178, 209, 295, 310, 327, 355, 384, 391, 401, 412, 415, 450, 502, 551, 620, 637, 645, 646, 670, 682, 705, 706, 707, 745, 756.

name of buzz (Crows) furnished by 24: 756.

name of tops (Crows) furnished by 24: 745.

on archery, Crows 24: 391.

on ball race, Papago 24: 670.

on ball race, Yakima 24: 682.

on dice game, Chippewa 24: 63.

on dice game, Crows 24: 178.

on dice game, Onondaga 24: 117.

Simms, S. C.—Continued

on double-ball implements, Papago 24: 660.

on double-ball implements, Pima 24: 660.

on European games, Papago 24: 794.

on hand-and-foot ball, Chippewa 24: 706.

on hand-and-foot ball, Crows 24: 707.

on hand game, Mohave 24: 327.

on hand game, Yuma 24: 327.

on hidden ball, Papago 24: 353 sq.

on hidden ball, Pima 24: 355.

on hoop and pole, San Carlos Apache 24: 450.

on ring and pin, Pima 24: 551.

on shinny, Cheyenne 24: 620.

on shinny, Crows 24: 637.

on snow-snake, Cheyenne 24: 401.

on snow-snake, Seneca 24: 412 sq.

shinny term furnished by 24: 645, 646.

Simon, Father —, quoted on Indian idolatry 9: 594.

Simons, A. B., clay articles loaned by 10: xxii.

Simplicity, value of, in determining age of vessels 20: 24.

Simpson, J.

cited 6: 411, 597; 46: 216, 218, 219, 220, 223, 224.

cited as to labrets 3: 80, 92.

Simpson, Capt. J. H., on aquatic burial 1: 181.

Simpson, Lieut. J. H., on pictographs 4: 28.

Simpson, James H.

Casa Blanca visited by 16: 104.

on Acoma 29: 544.

on Cochiti 29: 439.

on Jemez 29: 401, 402, 403.

on Laguna 29: 541.

on location of Quivira 14: 397.

on location of Tiguex 14: 491.

on Nambé Pueblo 29: 358.

on Navaho expedition 16: 79.

on Pecos 29: 473, 476.

on Picuris 29: 193.

on Pogueate 29: 539.

on San Felipe 29: 499.

on San Ildefonso 29: 305.

on Santa Ana 29: 520.

Simpson, James H.—Continued

on Santo Domingo 29: 448.

on Sia 29: 518.

on Tesuque 29: 387.

Zuñi vocabulary of 7: 139.

Simpson, John

burglar alarm of Eskimo described by 9: 41.

description of condition of Eskimo women by 9: 414.

description of Eskimo clothing by 9: 110, 125, 128, 130, 138.

description of Eskimo earrings by 9: 142.

description of Eskimo houses by 9: 78.

description of Eskimo marriage customs by 9: 410, 413.

description of Eskimo of Point Barrow by 9: 33, 36, 38, 39.

description of Eskimo tents by 9: 84.

description of Eskimo villages by 9: 79.

on conduct of Eskimo women 9: 419.

on Eskimo arrows 9: 201.

on Eskimo chiefs 9: 429.

on Eskimo children 9: 419.

on Eskimo commerce 9: 48.

on Eskimo demonology 9: 431, 433.

on Eskimo divorce 9: 412, 413.

on Eskimo festivals 9: 376.

on Eskimo kaiaks 9: 328.

on Eskimo knives 9: 157, 161.

on Eskimo labrets 9: 143, 146.

on Eskimo language 9: 53.

on Eskimo needle-cases 9: 322.

on Eskimo seal nets 9: 252.

on Eskimo snowshoes 9: 351, 352.

on Eskimo whale fishery 9: 274.

on fire-making by Eskimo 9: 289.

on infanticide among Eskimo 9: 417.

on ownership of Eskimo dwellings 9: 79.

on use of magic powder by Indians 9: 509.

on use of tobacco among Eskimo 9: 65.

visit to Point Barrow by 9: 52, 53.

work of, consulted 9: 25.

Simpson, R., copper mask and shield of 46: 3, 435.

Simpson, Thomas

cited 6: 410, 458.

description of Eskimo fire-making by 9: 289.

on Eskimo umiak oars 9: 339.

on use of tobacco by Eskimo 9: 70.

quoted on Eskimo salutation 9: 422.

visit to Point Barrow by 9: 52.

work of, consulted 9: 25.

Simsawa land cessions and reservations 18: 784.

Simson, A., cited 30: 283, 289, 295, 297, 325, 361.

Sin, myths concerning origin of 19: 248 sq.

Sinacantan, numbers of 19: 881, 931.

Sinapoils, a Sanpoil synonym 14: 733.

Sinapou, fish poison 38: § 209.

Sinaru 46: 208.

Sindi, a Kiowa hero god 14: 1064, 1080.

Si'ndiyu'i, a Kiowa division 14: 1079; 17: 228.

Sineeguomenah, an Upper Spokane synonym 14: 732.

Sinew

cloth of 13: 22.

Eskimo ceremonial objects made of 18: 419.

Eskimo implements made of 18: 82, 85, 86, 90, 100, 119, 124, 130-133, 136, 137, 139, 140, 145, 146, 151, 155-159, 161, 164, 170, 175, 178, 179, 181, 186, 187, 191.

Eskimo manufactures of 18: 201.

Eskimo musical instruments made of 18: 350.

Eskimo tobacco implements made of 18: 276, 278, 280, 281.

Eskimo toys made of 18: 347.

extraction of 11: 251.

for tying 35: 158.

use of, for bowstrings 14: 275.

use of, for sewing 11: 221.

use of, in arrow making 14: 276, 277, 278.

use of, in blade mounting 14: 284.

use of, in imprinting textile effects 20: 79.

Sinew Cord and Thread

Eskimo clothing made of 18: 36, 38.

Sinew Cord and Thread—Contd.

Eskimo implements made of 18: 79, 133.

Eskimo method of making 18: 110 sq.

Sinew-spring Traps, Eskimo 18: 122 sq.

Singeing of seal 35: 451.

Singer, *Chief*, story concerning 42: 341 sq.

Singer, *The*, title of candidate for initiation 39: 69.

Singers, place in house of 35: 720.

Singing

ability of the Eskimo 46: 107.

at Katcina dances 47: 873.

at Zuñi 47: 494-497.

before meals, Kwakiutl 35: 356.

by the Eskimo 18: 347.

by the Omaha 3: 279, 316, 320, 322, 323, 325.

fondness for 47: 34.

house of the Eskimo 6: 600 sqq.

See also Music; Songs.

Singing-around Rite

details of 40: 589-595, 597 sqq., 605, 607 sqq., 609 sqq.

members of 40: 549.

mortuary customs of 40: 356.

Singing Masters 35: 342.

Single-ply cotton twine 38: § 33.

Single-pole Game, mention of 44: 243.

Sinhumanish, a Spokane synonym 14: 732.

Siniak 46: 200.

Sinimiut Eskimo Tribe, situation of 6: 451.

Sinipouals, a Sanpoil synonym 14: 733.

Sinker

for Eskimo fish line 9: 282.

from Little Falls 15: 103.

Sinker-like Objects of steatite 15: 133.

Sinkers

axlike objects used as 13: 71.

classified and described 13: 97.

discoidal stones used as 13: 100.

distribution of 15: 142.

for nets and fishing lines, Eskimo 18: 126 sqq., 175-183, 188, 189.

made of steatite 15: 109.

perforated stones used as 13: 98.

Sinkers—Continued

round stones used as 13: 95.

spheroidal, of sandstone 44: 90.

See also Sinker.

Sinking Magician on Pima religion 26: 251.

Sinkoman, a Spokane synonym 14: 732.

Sinola

river and settlement of 14: 515.

See also Cinaloa.

Sinpaivelish, a Sanpoil synonym 14: 733.

Sinpohellechach

a Sanpoil synonym 14: 733.

an Okanagon division 14: 734.

Sinpoilsehne, a Sanpoil synonym 14: 733.

Sinrazat 46: 202.

Sinsiuse an Isle de Pierre synonym 14: 734.

Sinspeelish, a Nespelim synonym 14: 733.

Sintakai-an, leaf basket 38: § 453.

Sinti

a Kiowa hero god 14: 1064, 1080.

Kiowa myths of 19: 434, 449.

Sintootoo, a Middle Spokane synonym 14: 732.

Sinuk 46: 200.

Sinwhoyelppetook, an Okanagon division 14: 734.

Sio

derivation of 21: 125.

description of 21: 107, 112.

Sio Avate Hoya

derivation of 21: 125.

description and picture of 21: 64.

difference of, from Hopi Avate Hoya 21: 83.

Sio Calako or Síocálako

ceremony of, description of 15: 296.

derivation of 21: 125.

representation of, by Hopi kateinas 21: 66.

Sio Humis

derivation of 21: 125.

description of picture of 21: 63.

Sio Humis Katcina, appearance of, in Pamúrti festival 21: 39.

Sio Humis Taadta, derivation of 21: 125.

- Sio Humis Taamû**, description of picture of 21: 64.
- Sio Katcinas**, Powamû dance by 21: 32.
- Sio Mana**
derivation of 21: 125.
description of 21: 107.
- Siocálako**. *See* **Sio Calako**.
- Sioki**
home of the Asa clan 19: 610.
See also **Zuñi**.
- Siouan**
adopted as a family term 4: 97, 108, 114.
alphabet 11: 363.
cults, preparation of memoir on 15: xxxix, xliv.
cults, study of 11: xxxii, xlili, 351.
definition of 11: 361; 15: 157.
Indians, memoir on 15: xcvi, 152-204.
sociology, memoir on 15: xcix, 205-244.
- Siouan Culture Area**, eastern, features of 42: 714 sq.
- Siouan Languages**
dialects of, work in 10: xix.
dictionary of, manuscript of 29: 23.
influence of, on geographic nomenclature 19: 1115.
studies in 13: xxxix.
- Siouan Music**, study of, by Miss F. Densmore 34: 21 sq.
- Siouan Stock**
a custom of the 41: 546.
connection of, with 20:
Lower Mississippi Valley pottery 102.
Middle Atlantic Coast pottery 150.
Middle Mississippi Valley pottery 81.
Northwestern pottery 157-188, 195, 197.
South Appalachian pottery 131 sq., 142 sq.
divisions of the 10: 272.
games of the 24:
hoop and pole 420, 421.
popgun 758.
ring and pin 528, 529.
snow-snake 400.
- Siouan Stock**—Continued
Ghost dance among the 24: 438.
implements employed by, in stick game 24: 227.
mention of the 7: 111-118.
migrations of the 37: 49 sq.
morphological studies of languages of 24: xxiii.
partial occupation of South Appalachian province by 20: 131.
Plains Indians 19: 1043 sq.
publication of memoir on 17: li, lvi.
study of the 19: xxix.
tribes of the 24:
Assiniboin 173, 258, 316, 391, 415, 502, 544, 555 sq., 610, 636, 707, 710, 728.
Catawba 611, 704.
Congaree 258.
Crows 177, 317, 391, 415, 502, 637, 707, 745, 756, 807.
Dakota, Brulé 179, 556.
Dakota, Oglala 179, 364, 391, 415 sq., 503, 556, 637, 745, 750, 756, 759.
Dakota, Santee 180, 365, 611, 663.
Dakota, Sisseton 183.
Dakota, Teton 181, 258, 392, 416 sqq., 508, 557, 638, 721, 728, 731, 746, 750, 757, 759.
Dakota, Wahpeton 183.
Dakota, Yankton 184, 317, 418, 508, 639, 728, 746.
Dakota, Yanktonai 185, 614.
Eno 510.
Hidatsa 186, 318, 419, 487, 511, 641, 710, 729, 747.
Iowa 186, 365, 615.
Mandan 187, 393, 419, 511, 707, 808.
Missouri 394.
Omaha 187, 259, 366, 393, 419, 514, 649, 663, 747, 750, 759, 797.
Osage 188, 516, 642.
Oto 615.
Ponca 188, 517.
Winnebago 189, 366, 557, 615, 708, 809.
See also **Biloxi**; **Catawba**; **Dakota**; **Mandan**; **Plains Indians**; **Sioux**; and names of other Siouan tribes.

Siouan Tribes, Eastern

- called Flatheads 42: 687.
- customs of 42: 701, 702, 704, 707, 708.
- domestication of animals by 42: 694.
- dwellings of 42: 687.
- information concerning clans of 42: 118.
- linguistic differences of 42: 713.
- linguistic relations of 42: 678.
- memoir on, cited 15: LII, LVI, LVIII, LX, LXXXI.
- prostitution among 42: 697.
- social divisions among 42: 696.

Sioux

- absence of clans among the 17: 227.
- absence of Ghost dance among certain bands of 14: 816.
- account of the 14: 1057.
- adaptation of the term 15: 157, 158.
- and Cheyenne hostility 14: 1024.
- and Chippewa burial posts 1: 197, 198.
- and Kiowa early warfare 14: 1080.
- bands, list of 46: 435.
- bands, party to treaty 27: 622.
- belief of, regarding owl 41: 542.
- calendar record 26: 34, 35.
- ceremonials of the 14: 111.
- character of the 17: 234.
- collections from the 13: xxxiii.
- colors for victory used by 10: 632.
- cult societies of 10: 528.
- dance custom of 39: 127.
- decoration used by 41: 534.
- definition of 4: 97.
- delegation of, to Wovoka 14: 843, 894.
- discontinuance of Ghost dance among 14: 927.
- distribution of Hethu'shka among 27: 460.
- drawings of the Ghost dance 14: 1060.
- dress of 46: 587.
- exploit marks of the 10: 433 *sqq.*
- failure of crops among 14: 826.
- features of Ghost dance among 14: 802, 822.
- first knowledge of Messiah among 14: 819.
- Flathead name for 45: 302.

Sioux—Continued

- foes of the Foxes 40: 63, 131, 155, 157, 575.
- games of the 24:
 - hoop and pole 442.
 - racket 573.
 - running races 807 *sq.*
- general organization of 27: 141.
- Ghost dance among the 13: xxxii; 14: xxxix, 654, 787, 796, 816, 817, 819, 915.
- glossary of the 14: 1075-1078.
- habitat and population of the 14: 824.
- how affected by the Ghost dance 14: 927.
- killed by buffaloes 40: 49.
- land cessions and reservations 18: 668, 710 *sqq.*, 760, 766, 786, 794, 822, 828, 848, 878, 880, 882, 886, 888, 896, 904, 914, 918, 924, 930-934, 938.
- legends concerning 19: 386.
- linguistic classification of 27: 605.
- lodge burial of 1: 152, 153.
- manner of wearing hair 27: 132.
- meaning of the name 19: 1039.
- mention of 4: 101, 109, 122.
- message of, to Ojibwa 10: 360.
- mounds made by 37: 76.
- mourning ceremonies of 1: 109, 110.
- mourning colors of 10: 629 *sq.*
- myths of 19: 440, 450.
- name of, in sign language 45: 148.
- name of the Arapaho 14: 954.
- name of the Cheyenne 14: 1023.
- name of the Ghost dance 14: 791.
- number of, in Ghost dance 14: 817.
- origin of name of 10: 272; 27: 605.
- outbreak, account of the 14: 843.
- outbreak, causes of 14: 824, 825, 829.
- outbreak, cost of 14: 843, 891, 892.
- outbreak, effect of, on neighborhood 14: 892.
- outbreak, end of 14: 888.
- outbreak, number killed in 14: 871, 891.
- outbreak, warning of 14: 821.
- paper on camping circles of 10: xix.
- Ponca name for 27: 103.

Sioux—Continued

- population of the 14: 844.
 record of battle by 10: 563-566.
 record of physical types of 23: xi, xviii.
 reduction of rations among 14: 827.
 reference to 27: 50.
 reservation 27: 51.
 reservation, division of 14: 840.
 reservation, experience of 14: 833.
 scaffold burial of the 1: 163, 164.
 sign of mourning of the 10: 519.
 songs of the 14: 1061.
 symbolic representation of the 14: 789.
 synonymy of the 14: 1057.
 treatment of, by Government 14: 827.
 treaty of 1868 14: 824, 839.
 treaty of 1876 14: 825.
 treaty of 1877 14: 838.
 tree burial of the 1: 161.
 tree used by, in Ghost dance 14: 979.
 tribal designations of 10: 379-388.
 tribal sign of the 14: 1057.
 use of hammerstones by the 13: 94.
 use of language of, as a trade language 19: 188.
 use of the term 7: 112.
 visit of, to Washington 34: 28.
 visit to the 14: 767.
 wakan of the 23: xxxix.
 war with, in 1862 17: 176.
 warfare with Omaha 27: 100, 623.
 wars with 45: 366 sq.
See also **Dakota**; **Oglala**; **Santee**; **Siouan Stock**; etc.
- Sioux Brulé**, land cessions and reservations by 18: 838, 934, 938.
Sioux City, references to 27: 101, 633.
Sioux Falls, mention of 4: 125.
Sioux, Medewakanton, land cessions and reservations by 18: 764, 784, 820, 826.
Sioux, Santee, land cessions and reservations 18: 762, 838, 840, 846, 850, 852, 868, 918.
Sioux, Sisseton, land cessions and reservations 18: 726, 764, 784, 820, 826, 842, 858, 862, 874, 942.
- Sioux, Wahpekuta**, land cessions and reservations by 18: 764, 784, 820, 926.
Sioux, Wahpeton, land cessions and reservations by 18: 726, 820, 826, 842, 858, 862, 874, 942.
Sioux, Yankton, land cessions and reservations by 18: 762, 768, 820, 946.
Sioux, Yanktonai, land cessions and reservations by 18: 896, 902.
- Sipapu**
 appearance of, in Pamürti festival 21: 28.
 improvised for Tusayan ceremony 16: 281.
 offering at Tusayan 15: 301.
 sacred badges placed in, in Flute ceremony 21: 29.
 sacred meal sprinkled on 16: 289.
 use of, in addressing gods 21: 55.
- Sipapuh**, Tusayan kivas 8: 117, 121, 122, 123, 126, 130, 131, 135.
- Sipo; Sippi**, bush rope 38: § 72.
- Sirius**
 a sky deity 43: 74.
 Eskimo belief concerning 18: 449.
 hair cut symbolizing 43: 92.
- Siruaballi**, brown and yellow, for corials 38: § 794.
- Sisitoans**, habitat of 7: 111.
- Sisito'wan or Sisitoñwañ**
 a Sioux division 14: 1058.
See also **Sisseton**.
- Sissac, Count Leon de**, archeological work done by 44: 66.
- Sisseton**
 a Sioux division 14: 1058.
 account of the 15: 216.
 definition and habitation of 15: 160.
 poisoned arrows used by the 14: 285.
 population of the 7: 116.
- Sisseton Dakota.** *See* **Dakota, Sisseton**.
- Sisseton Sioux.** *See* **Sioux, Sisseton**.
- Sissipahaw**, Spanish contact with 19: 28.
- Sissitonwan**, beliefs among the 11: 436.
- Sister**
 application of the term 42: 81, 92.

Sister—Continued

elder, application of the term 42: 83.

younger, application of the term 42: 83.

Sister-in-law, application of the term 42: 82, 83, 84, 93.

Sitanka. *See* **Big Foot**.

Sitca^{xu}, account of the 15: 218.

Sitcomovi

absence of Snake ceremony at 16: 273.

ceremonial at 15: 299.

Sitcotcâpkâłgi, a Creek clan 42: 116, 119.

Site

of Casa Grande, character of 13: 306.

of cavate lodges 13: 219.

selection of, of ancient villages 13: 215.

See also **Sites**.

Sites

along right bank 46: 50.

Burchell's 46: 46.

buried 46: 172, 173.

destruction of 46: 136.

Diomedes 46: 95, 96.

Eskimo, Lower Yukon 46: 67, 72.

inaccessible, of cliff houses 16: 93, 111.

Kevalina 46: 100.

Kotzebue 46: 99.

Lower Yukon 46: 67, 71, 170.

near Barrow 46: 169.

of Navaho houses 17: 483, 489.

of pueblo buildings, why selected 8: 63, 66, 90, 97, 112, 223.

of pueblos, how determined 16: 91.

of Tusayan pueblos 17: 578.

Point Hope 46: 102.

St. Lawrence Island 46: 93.

Seward Peninsula 46: 90.

Shishmaref 46: 97.

Tanana 46: 43.

Tanana River 46: 125.

variety of 46: 172.

Wainwright 46: 105.

Wales 46: 93.

Western Eskimo region 46: 168, 176, 238.

Yukon, ancient 46: 58.

Yukon, location of 46: 137.

See also **Occurrence; Site**.

Sitgreaves, Lorenzo

on features of Cheylon Creek 22, i: 31.

on ruins near San Francisco Mountains 17: 532, 533.

on selenite deposits 17: 643.

references to 28: 186, 207.

ruined pueblo discovered by 21: XIX.

ruined pueblos in Arizona figured by 22, i: 35.

Sitka, Tlingit town

clans of 26: 409, 413, 415, 416, 419, 435.

mention of 26: 397.

potlatches at 26: 435.

Sitka, Tlingit tribe

burial of heads by 3: 96.

clans and house-groups of 26: 405 *sqq.*

labrets of 3: 88.

phratries and clans of 26: 400.

population of 7: 87.

Sitlington, John, flint deposits on land of 15: 78.

Sit-par-ga. *See* **Set-pä'go**.

Sit!t!qoe'di, Tlingit clan

account of 26: 412.

crests of 26: 416.

phratry and tribe of 26: 399.

See also **Wolf Phratry, Tlingit**.

Si'tsikia

gathering of food for 23: 97, 98.

naming of male children by the Ko'yemshi and 23: 89.

Sitting Bear. *See also* **Set-ängya**.

Sitting Belt, belt obtained for National Museum collection 22, i: xxxix.

Sitting Bull

a Dakota chief 15: 190.

among the Kiowa 17: 359.

character of 14: 63 *sq.*

introduction of Ghost dance among the Kiowa by 17: 221, 375.

symbolic colors used by 11: 531.

war record of 36: 28.

See also **Scabby Bull**.

Sitting Bull (Arapaho)

acknowledgment to 14: 655.

belief of, regarding Ghost dance 14: 786.

decline of interest of, in Ghost dance 14: 901.

Ghost song composed by 14: 972.

Sitting Bull (*Arapaho*)—Continued

- Ghost song introduced by 14: 965.
- hypnotism performed by 14: 899, 923, 972.
- instruction in Ghost dance doctrine by 14: 895.
- portrait of 14: 896.
- prediction of 14: 909.
- reputed power of 14: 896, 897.
- sacred feather conferred by 14: 919.
- sketch of 14: 895.
- statement of, at Anadarko council 14: 913.
- visit of, to Wovoka 14: 817, 894, 901.

Sitting Bull (*Sioux*)

- account of trouble with 14: 843.
- arrest of 14: 857.
- attempt to arrest 14: 854.
- death of 14: 857, 860.
- evil influence of 14: 844.
- flight of warriors of 14: 858.
- Ghost dance at camp of 14: 853.
- Ghost dance continued by 14: 847.
- Ghost dance invited by 14: 847.
- interview of McLaughlin with 14: 849.
- map of fight at camp of 14: 859.
- mischief plotted by 14: 854.
- number killed in fight with 14: 891.
- number of followers of 14: 864.
- opposition of, to land cession 14: 845.
- order for arrest of 14: 855.
- peace pipe broken by 14: 854.
- plan of, to evade arrest 14: 855.
- portrait of 14: 858.
- removal of, advised 14: 848, 854.
- responsibility of, for Sioux outbreak, 14: 832, 852.
- sketch of 14: 860.
- surrender of warriors of 14: 860, 862, 871.

Sitting Stones in ancient Arizona structures 13: 246.**Situation** of houses, conditions affecting 38: § 290.**Siuk** 46: 203.**Sium Laeve** 45: 482.**Siur Poils**, a synonym of Sanpoils 14: 733.**Siusi Indians**

- beliefs of, as to future life 30: 162.
- festivals of the 30: 138.

Siuslaw

- language, grammar of, by Dr. L. Frachtenberg 34: 21; 36: 22.
- language, paper on 36: 30.
- language, work on, by Dr. L. Frachtenberg 37: 18.
- tribe, population of 7: 137.

See also **Siletz Reserve**.

Si'-va-no, *King*

- legendary Pima chief 28: 45, 62.
- See also* **Ci-vă-nő**.

Si'vanv, meaning of the name 26: 24 sq.**Siwap**, description of 21: 100.**Six Nations**

- cessions for 18: 730, 742 sqq.
 - deed from, to King of England 10: 378.
 - joined by the Tutelo 7: 114.
 - land cessions and reservations by 18: 568 sq., 584, 648, 650-654.
 - Wisconsin land treaty with 14: 31.
 - work among the 45: 5 sq.
- See also* **Iroquois**.

Six Songs

- a part of the tribal war rite 39: 205, 206.
- a ritual of the Tsi'-zhu great division 39: 327.
- explanation of 39: 77.
- list of 39: 78 sq.

Siyante land cessions and reservations 18: 780.**Siyo Sapa**, mention of 24: 509, 729.**Size**

- Eastern United States pottery 20: 60 sq.
- Eastern United States salt-making vessels 20: 28.
- Florida Peninsula pottery 20: 118, 121.
- importance denoted by 30: 192 sq.
- Iroquoian pottery 20: 162.
- Middle Atlantic Coast pottery 20: 148, 151, 153, 155.
- Middle Mississippi Valley pottery 20: 87 sq., 89.
- New Jersey-New England pottery 20: 177.
- Northwestern pottery 20: 196 sq., 200.
- South Appalachian pottery 20: 132, 136.

- Skââkoik**, Apache-Pima fight at 26: 46.
- Skaddal**, a synonym of Ska'utäl 14: 736.
- Skagit Indian**
mention of 41: 136.
See also Dwamish.
- Skagway**, Tlingit town 26: 397.
- Skaiwhamish**. *See Dwamish.*
- Skâ'kâik**, Pima village 26: 23, 153.
- Skalzi**, a synonym of Kutenai 14: 731.
- Skamoynumach**, an Okanagon division 14: 736.
- Skanawati**, account of 43: 457 sq.
- Skarlem Mounds**, location of 37: 99.
- Skâsöwalik Hills**
clay pits of 26: 124, 215.
other obtained from 26: 161.
- Skate**
Haida and Tlingit names for 26: 476.
popular notions concerning, Tlingit 26: 458.
- Skate'lko**, *Chief*, account of 45: 363.
- Skátona**, mythic serpent 11: 157.
- Ska'utäl**, a Piskwaus band 14: 734.
- Skay-al**, Haida chief, mention of 43: 13.
- Skeechaway**, a Coeur d'Alêne synonym 14: 733.
- Skeena**, people of 26: 414.
- Skeena River**, traditional habitat of the Tsimshian 31: 106.
- Skeesucks**, *Mrs.* —, mention of 43: 209.
- Skeesucks, Jerome Roscoe**
acknowledgment to 43: 260.
descent of 43: 251.
- Skeesucks, Lester**, mention of 43: 224.
- Skeetsomish**, a Coeur d'Alêne synonym 14: 733.
- Skelaribni**, long, flat spool 38: § 471.
- Skeletal Parts**
destruction of 46: 363.
measurements of, Yukon Indians, Eskimo 46: 156.
"mounds" near Barrow 46: 321, 327, 328.
other Indians 46: 315.
Seward Peninsula and Northwestern Eskimo 46: 327.
- Skeletal Parts—Continued**
Western Eskimo 46: 313, 363, 364.
Yukon Eskimo 46: 327.
Yukon Indians 46: 315.
- Skeletal Remains**
Antillean 25: 29 sq., 83.
Barrow 46: 110, 166.
below Barrow 46: 109.
Bering Sea and Arctic 46: 254.
Bonasila 46: 60, 61, 83, 142, 144, 156, 160.
Cape Nome 46: 90, 197.
care in collection of 46: 65.
Chiukak 46: 196.
conclusions drawn from 41: 613 sq.
destruction of 46: 65.
Eskimo attitude toward 46: 70, 76, 78, 97, 103, 109, 111, 113, 114, 184.
from Elden Pueblo 43: 3.
from Gordon site and Fewkes group 41: 612 sqq.
from Louisiana 43: 14.
Ghost Creek 46: 63, 64.
Golovnin Bay 46: 115.
Greyling River 46: 58.
Kotlik 46: 75.
Kotzebue 46: 99, 100, 114.
Little Diomedé 46: 95.
occurrence of 41: 510, 523.
Pastolik 46: 76 sqq.
Point Hope 46: 102, 113, 114, 205.
Russian Mission 46: 70.
St. Lawrence Island 46: 210.
Salt Lake 46: 118.
Shishmaref 46: 97.
Wainwright, below 46: 112.
Wales 46: 94.
Washington 46: 123.
Yukon 46: 151.
- Skeleton**
disposal of 38: § 832, 838, 849, 852.
of a white man 46: 72.
Seri, characteristics of 17: 140*-147*.
string figure of 38: § 663.
See also Bones; Skeletons; and names of different bones.
- Skeleton Weed** 33: 136.
- Skeletons**
and mortuary objects from Four-mile ruin 22, i: 139 sq.
from Pueblo ruins, mention of 22, i: 128, 166.
See also Skeleton.

Skidi

a Pawnee band 23: xxxviii.

See also Pawnee.

Skien, a synonym of Skĩnpä 14: 740.

Skill

in sculpture of mound-builders 2: 148.

pleasures in 19: lxxviii sq.

Skin (1), a synonym of Skĩnpä 14: 740.

Skin (2)

animate 32: 111.

articles of, from Wolpi 2: 397.

articles of, from Zuñi 2: 373.

bags, for storing wild rice 19: 1072.

bags in Omaha dance 3: 343.

bringing of, to life 32: 123.

change of 30: 149 sqq.

clothing, use of 11: 209.

disease of, how treated by Zuñi 30: 60.

diseases, causes of 47: 242.

effect of plant on 30: 62.

Eskimo clothing made of 18: 30-44.

Eskimo implements made of 18: 89, 90, 93, 104 sqq., 156.

Eskimo ornaments made of 18: 59.

Eskimo toys made of 18: 343.

Eskimo transportation apparatus made of 18: 206, 217.

Eskimo use of, as unit of value 18: 232.

fawn, used as fetish 32: 151.

method of stretching, for drying 32: 578.

ornamentation by Eskimo, tattooing 9: 138 sqq.

painting of 9: 140.

smoked, to prevent return to life 32: 259.

use of, for drum heads, by American aborigines 20: 34.

vessels, copied in pottery 4: 447.

vessels of Siouan tribes 15: 172.

woman's, guarding chestnut trees 32: 506.

woman's, guarding pathway to tobacco 32: 83.

working, Eskimo implements for 9: 294-301.

See also Bearskin; Deerskin; etc.; Skin Color; etc.

Skin Color

of the Eskimo 46: 364.

of the Seri 17: 137* sq.

of the Western Eskimo 46: 213-228.

of the Yukon Eskimo and Indians 46: 151, 161.

Skin Dressing

account of 27: 71, 342, 345.

by the Menomini 14: 261.

by the Northern Indians 11: 205, 275, 278, 292.

description of 46: 540 sq.

Eskimo method of 18: 116 sqq., 125.

instructions regarding 30: 270 sq.

mention of 45: 44 sqq., 218, 327.

Seri methods of 17: 227*.

spuds possibly used in 13: 109.

uniformity of 42: 690.

Skin-dressing Tools, Eskimo 18: 112-116.

Skin Drum 38: § 577-579.

Skin Lodges

of the Eskimo 11: 226; 18: 242.

of the Omaha 13: 269, 271.

Skin Robe, protection against pursuers 32: 76.

Skin Tablet, appearance of, in pictures of Hopi katchinas 21: 101.

Skinner, Alanson

aid of, in work of excavation 38: p. 2.

cited as to Cree 28: 247, 248.

quoted on Menomini 37: 86.

quoted on men's clothing 37: 106.

quoted on tanning 37: 119.

references to 40: 377, 502.

Skinning, peculiar method of 11: 207.

Skĩnpä, sketch of the 14: 740.

Skinpah

a synonym of Skĩnpä 14: 738, 740.

See also Yakima.

Skins

caribou, as body covers in burials 46: 77.

clothing made of 45: 65-73, 230.

collecting of, for ceremony 45: 544.

for ceremonial use 39: 46.

judging of 46: 539.

pictographs on 10: 206 sq.

preparation of 46: 83.

Skins—Continued

symbolic use of, in ceremony 45: 543.

use of 45: 49 *sqq.*, 221.

use of, for clothing 42: 681 *sq.*; 46: 584.

See also Rawhide; Skin.

Skirts, Guiana Indian 38: § 551.

Skitsāmūq, a synonym of Coeur d'Alène 14: 733.

Skitswish, a synonym of Coeur d'Alène 14: 733.

Skittagetan Stock

Haida tribe of 24: 189 *sq.*, 259-263, 318, 395, 517, 557, 642, 725, 730, 747, 784.

implements employed by the 24: 227.

mention of the 7: 118.

Sklallam land cessions and reservations 18: 800, 870.

Skliribié, Wapishana arrow tightener 38: § 130.

Skokomish Indian

basketry of the 41: 376.

games of the 24:

cat's cradle 773.

football 698, 703.

racket 609.

shuttlecock 717.

stick games 544.

population of the 7: 105.

Shaker religion among the 14: 747.

Skokomish Reserve

changes in 18: 870.

establishment of 18: 800.

Skopeahmish. *See* Dwamish.

Skotelibi, permanent separator for hammock making 38: § 468.

Skoton, *See* Scoton; Siletz Reserve.

Sktahlmish. *See* Dwamish.

Skull

buffalo, figurative reference to 14: 1002.

deformation of 46: 321.

Eskimo, changes in, differentiation of 46: 364.

facial 46: 264 *sqq.*

height of 46: 264 *sqq.*

Seri 17: 141*, 142* *sqq.*

shape of, crania 46: 260.

size of, Western Eskimo 46: 255, 258.

size of, Western Eskimo, sex differences 46: 258.

Skull—Continued

stolen, recovery of 32: 416.

symbol in the codices 16: 223, 232, 250.

use of, in ceremonials 14: 980.

Western Eskimo, data on 46: 254.

See also Crania; Doorway, ornamented with skulls; Trephining.

Skulls

animal 46: 48.

Bonasila 46: 157, 158.

Eskimo 46: 162, 163.

human, from Pueblo ruins, collection of 22, i: 34, 110, 134.

Indian, at Ruby 46: 48.

inversion of pots over, Gulf Coast region 20: 110.

inversion of pots over, South Appalachian province 20: 133.

manufacture of whistles from 38: § 569.

Mountain village 46: 68.

Nulato 46: 51, 152.

occasional appearance of, at St. Michael 46: 84.

of animals, elevated on poles 45: 184.

of mammoth 46: 48.

of seals and walrus, Eskimo superstition concerning 9: 434.

Old Hamilton 46: 68.

preservation of 3: 94, 96, 106, 107.

Russian Mission 46: 70.

taken from Burton Mound 44: 67.

used by Acaxes to decorate houses 14: 514.

Yukon 46: 150, 152, 155.

See also Crania; Head; Skull.

Skunk

folk tale of the 14: 213.

in Cherokee myth 19: 265 *sq.*

in Menomini myth 14: 239.

myth concerning 11: 150.

occurrence of 30: 268.

special connection of, with woman 27: 512.

taboo of, to the taíme 17: 323.

the chief of all animals 42: 496, 529.

Skunk Cabbage

for use in oven 35: 335.

mention of 35: 208, 257, 258, 260, 268, 271, 275, 276, 278, 444, 461, 482, 533, 552, 569, 580, 586, 590.

- Skunk Clan**, native names for 42: 115.
- Skunk Dance**
 a woman's dance 42: 528.
 description of 42: 529.
 mention of 42: 523, 524.
 time for holding 42: 404, 529.
- Skunkberry People**, a Kiowa warrior order 14: 989; 17: 230.
- Sku'tani**, Sioux name of the Gros Ventres 14: 955.
- Skwa'nānā**, a Piskwaus band 14: 736.
- Sky**
 an open country 31: 453.
 and earth, relationship between 43: 29 sq.
 appeal to, for aid 39: 281.
 beliefs concerning 46: 415.
 ideas about 31: 453.
 in Navaho mythology 26: 239.
 in Omaha conception 27: 134, 600.
 in Pima mythology 26: 247.
 in Tewa conception 29: 41, 45.
 in Tlingit mythology 26: 451.
 Indian conception of 42: 478.
 life descending from 39: 302, 338, 360 sq.
 myth concerning 11: 266.
 night, rites relating to 27: 177.
 personification of 36: 48, 51.
 represented by gens 43: 30.
 Serian and Yuman names for 17: 340* sq.
 symbolism in Shell society 27: 513.
 visible, in Iroquoian cosmology 21: 141.
See also **God of Day; Sky Deities; etc.; Sun.**
- Sky-band**, absence of, from specimens from Little Colorado ruins 22, i: 74.
- Sky Clan**, size of 47: 35.
- Sky Deities**
 appeal to 43: 73, 74.
 sexes of 43: 75.
 worship of 34: 128.
See also **Sun God; Wupamau.**
- Sky Names**
 of the Puma gens 43: 32 sq.
 origin of 43: 32.
- Sky People**
 myths concerning 19: 362 sq., 492.
 place of, in Omaha organization 27: 135, 138, 139.
- Sky People—Continued**
 represented by Sacred Tent 27: 154.
See also **I'shta'gunda Division.**
- Sky Pueblo**, mythic 29: 571.
- Sky Spirits**
 account of 30: 254-270.
 belief in 30: 154, 254-270.
 houses of 30: 266.
 invocation of 30: 266.
 laughing at 30: 263.
 origin of 30: 254.
 sex of 30: 254 sqq.
See also **Comets; Moon; Stars; Sun; etc.**
- Sky Vault**, myths concerning 19: 440.
- Sky World**
 beliefs concerning 42: 480 sq.
 in Iroquoian cosmology 21: 175, 255, 282.
- Skye**, reference to 40: 502.
- Skyuse**, a Cayuse synonym 14: 743.
- Slabs**
 Casa Grande, description of 28: 136.
 Casa Grande, of stone 28: 125, 126, 129.
 of stone in Pueblo architecture 8: 147.
See also **Stone-slab Graves.**
- Slat-bottomed Baskets**
 technique of 41: 174-179.
 types of 41: 174.
- Slate**
 Eskimo implements made of 18: 93, 108, 113, 146, 147, 149, 159, 164, 178.
 mention of 46: 145, 146, 173.
 transportation of, by floods 15: 22.
 use of, for implements 46: 99.
 use of, for tablets 15: 103.
- Slaughter, Mrs. Ella**
 death of 36: 32, 34.
 work of 26: xxx; 34: 29.
- Slave and other tribes**, population of 7: 56.
- Slave Posts**
 captives burned at 42: 437.
 description of 42: 188.
 mention of 42: 165 sq.
- Slave System**, nonexistence of, in the Southeast 42: 79.

Slavery

- among primitive peoples, researches on 22, i: XXIV-XXVII.
- among the Antilleans 25: 23 sq., 274.
- among the Creeks 42: 48, 167.
- among the Flathead 45: 380.
- among the Menomini 14: 35.
- among the Okanagon 45: 277.
- among the Pend d'Oreilles 45: 380.
- among the Pueblo Indians 15: 548.
- among the Seminole 42: 167.
- among the Tusayan 8: 41.
- as an institution 42: 705; 45: 158.
- at Pecos 14: 491.
- See also* **Slaves**.

Slaves

- among the Cherokee 19: 76 sq., 83, 112, 125, 148, 150.
- among the Guiana Indians 38: § 774-776, 860.
- among the Pima 26: 197.
- burial of, with masters 30: 157.
- captive Indians used as, by Spaniards 14: 499-510.
- descendants of 35: 1096.
- how regarded 15: cxii.
- in army of Coronado 14: 402.
- Indian, contact of, with negroes 19: 233.
- killed for Cannibal dancer 35: 1017.
- lack of, among Siouan tribes 15: 215.
- lived in corners of the chief's house 31: 395.
- marked by tattooing 45: 406, 407.
- marriage with 45: 40
- mention of 35: 856, 865, 866, 869, 877, 878, 880, 881, 882, 887, 889, 890, 981, 982, 1015, 1024, 1027, 1039, 1040, 1042, 1094, 1104, 1374.
- miserable condition of 31: 434.
- relation between master and, friendly 31: 434.
- sent hunting 35: 840.
- status of 45: 158
- trade in 42: 737; 45: 113, 254.
- See also* **Slavery; Totem Pole**.
- Slaves**, ring and pin game of the 24: 544.

Sledding

- in summer 46: 113.
- on sands 46: 103.
- played by the 24:
 - Dakota, Oglala 716.
 - Dakota, Yankton 716.

Sledge Island

- carvings of mythic animals from 18: 447, 448.
- ceremonial objects from 18: 416.
- clothing from 18: 38, 39, 44.
- conditions observed by Nelson on 18: 295.
- crania from 46: 260, 288, 292, 324.
- dance on 18: 354 sq.
- dead villages on 46: 89.
- description of villages on 18: 254.
- fetish from 18: 439.
- graves on 18: 320.
- hospitality of people of 18: 295.
- implements and utensils from 18: 66, 67, 69, 77, 84, 86, 87, 89, 92, 93, 99 sqq., 103, 108, 111, 113-116, 127, 131, 139 sqq., 144, 148, 150, 151, 154, 164, 165, 168, 172, 178 sqq., 182, 191, 194.
- legend from 18: 499-514.
- manufactures from 18: 205.
- mention of 46: 197, 200.
- musical instruments from 18: 351.
- ornaments from 18: 46, 47, 48, 55, 58, 60.
- people of 18: 26.
- tobacco implements from 18: 277, 279, 282.
- transportation apparatus from 18: 210, 218, 222, 223, 228.
- visit of E. W. Nelson to 18: 20.

Sledges

- and boats of Eskimo, description of 6: 527-538.
- Eskimo 9: 353-357; 18: 128.
- Eskimo, winter storage of 18: 244.
- tools used by Eskimo in making 18: 85.

Sleds

- among the Eskimo 18: 205-209.
- among the Northern Indians 11: 240, 306.
- toy, Eskimo 18: 347.

Sleep Spirit, Tlingit 26: 418.**Sleeping Benches** in Eskimo houses 18: 243, 245 sq., 252.**Sleeping Customs**, Omaha 3: 273.

- Sleeping-rocks** of seals 35: 178.
Sleeping Wolf. *See* **Gúi-k'áte.**
Sleigh Bells in Tusayan ceremony 15: 287.
Sleight of Hand
 in Mo'chu' ithaethe 27: 486.
 See also **Jugglery.**
Slice, One, meaning of expression 40: 181, 513.
Slinging Hammocks 38: § 481, 482.
Slings
 baby, Guiana Indian 38: p. 400-411 (Ch. xx).
 Eskimo 18: 134 sq.
 use of, Creek 42: 693.
 use of, by ancient Peruvians 16: 11.
Slingstones
 mention of, Antillean 25: 266.
 See also **Slungshot.**
Slipknot, Noose
 for alligator 38: § 217.
 for birds in general 38: § 177, 179.
 for iguana 38: § 217.
 for quail 38: § 181.
 for snake 38: § 219.
Slipper
 from vessels from Sikyatki 17: 652.
 See also **Sandals; Shoe.**
Slipper-shaped Vessels from Pueblo ruins, figures of 22, i: 69, 181.
Slippery Elm
 medicinal use of 43: 267.
 mention of 33: 76.
 use of 44: 294, 331, 342, 378.
Slips. *See also* **Washes.**
Sloane, Sir Hans, on Jamaican mortuary customs 25: 71.
Slocum, John
 account of 14: 746, 752.
 conversion of 14: 751.
 elected elder of Shaker church 14: 758.
 how regarded by the Shakers 14: 750.
Sloth
 influence of, on pregnant women 30: 204.
 legend of 30: 204.
 mention of 38: § 173.
 omen from 30: 274, 369.
Slough of the 32 kashims 46: 70 sqq.
Slough Grass 33: 66.
- Sloughs**
 mention of 46: 48.
 of Yukon 46: 126, 129.
Slow, pictograph for 10: 601.
Slow-Match 35: 1098.
Slug Disease, symptoms and treatment of 42: 648.
Slungshot
 of Southwestern Indians 13: 95.
 round stones used as 13: 95, 97.
 turtlebacks used as 13: 139.
 used as Eskimo weapon 9: 191.
 See also **Slingstone.**
Smalhkahmish. *See* **Dwamish.**
Small
 Serian and Yuman words meaning 17: 337* sq.
 sign for 1: 302.
Small Frog Dance, mention of 42: 523, 534.
Small-Grizzly-Bear-Claw, a Flat-head chief 45: 377.
Small Hon'ga Gens
 Kansa, Quapaw 27: 40.
 See also **Hon'gazhinga.**
Smallpox
 account of 27: 86 sq., 620.
 among the Apache 26: 55.
 among the Assiniboin 15: 191, 225.
 among the Cherokee 19: 36, 61.
 among the Dakota 4: 110, 136.
 among the East Cherokee 19: 171 sq.
 among the Hidatsa 15: 197, 198.
 among the Kiowa 17: 168, 172, 176, 274, 311.
 among the Kwapa 15: 193, 195.
 among the Mandan 15: 196, 197.
 among the Maricopa 26: 55.
 among the Omaha 15: 191.
 among the Pima 26: 267 sq.
 among the Plains tribes 17: 177.
 among the Ponka 15: 192.
 among the Winnebago 15: 196.
 appearance of, in Columbia region 14: 743.
 difficulty of curing 46: 428.
 effects of, on Siouan tribes 15: 199.
 epidemics of 46: 396, 399 sq.
 in Chickamauga band 19: 56.
 inability to treat 42: 670.
 Indian treatment of 17: 274.
 mention of 46: 130, 171.
 most dreaded disease 42: 636.

Smallpox—Continued

population decreased by 45: 315
sq.

prevalent in Tusayan 8: 38, 134.

references to 27: 582.

tribes decimated by 45: 212.

Smallwood, Matthew, grant of land to 18: 633.

Smart, Carl, Pima interpreter 26: 18.

Smartweed

use of 44: 291, 344.

use of, in medicine 30: 58.

Smawhola, a Smohalla synonym 14: 717.

Smedes, Miss Emilie R., work of 25: XVIII, XXI, XXIV sq.; 26: xxxi; 27: 13; 29: 24.

Smell, spirits known by 30: 170, 177.

Smelts, Eskimo implements for catching 18: 179.

Smet, Father P. J. de

on Indian beliefs 11: 439, 447, 477.

on Indian ordeals 11: 499.

on story of Nanaboojoo 14: 207.

quoted on fetishism 11: 498.

quoted on Indian beliefs 11: 443, 492.

quoted on Indian ceremonials 11: 437.

quoted on sun worship 11: 449.

reference to work of 11: 363.

Smilax

in Cherokee lore 19: 425.

seeds used for bait 38: § 188.

use of 42: 692.

use of, medicinally 42: 661, 670.

Smilax Bona-Nox, medicinal use of 42: 667.

Smilax Herbecea 33: 71.

Smiling as an expression of pleasure 20: CXLI.

Smillie, T. W., acknowledgment to 15: 18.

Smith, —

leader of pioneer advance 19: 45.

on surrender of Cavitt's station 19: 75.

Smith, Archilla, fight of 19: 134.

Smith, Buckingham

Cabeza de Vaca's *Relation* translated by 14: 347, 474.

citation from translation of Knight of Elvas's narrative by 20: 28.

Smith, Buckingham—Continued

copy of Alvarado's report printed by 14: 594.

documents printed by 14: 572, 584.

identification by 17: 51.

notes on Seri by 17: 101.

on burning of peat bog near Charleston 19: 471.

on Davis's history 19: 202; 25: 31.

on De Soto's route 19: 195.

on San Juan 29: 212.

on the Timuqua language 7: 123.

Pima grammar edited by 26: 20.

quotation from documents printed by 14: 590.

references to 28: 55, 56.

translation of Elvas's narrative by 19: 193.

Smith, B. H., mounds on farm of 5: 51.

Smith, Charles M.

description of flint quarries by 12: 572.

work of 7: xvii, xviii.

Smith, Daniel, commissioner for treaty with Cherokee 5: 183, 187, 190.

Smith, Mrs. Erminnie A.

collections of 6: XLIX, L.

contributor to Bureau 48: 1189.

field work of 6: xxx, xxxi.

office work of 6: XLV.

obituary of 48: 1221.

on Iroquoian myths 19: 436, 439, 443, 448, 469, 473.

study of Iroquoian myths by 2: 51;

4: 190; 19: XLVII.

wampum belt loaned by 2: 251.

work of 2: xxii, xxix; 3: xxv; 7: xxxi.

work of, on Iroquoian dialect 5: xxix, xxxii.

Smith, E. E., cited on Eskimo whale fishery 9: 276.

Smith, Felix, mound on farm of, Arkansas 12: 241.

Smith, George, quoted on Pennsylvania's Indian policy 18: 591, 592, 594, 595, 596.

Smith, Harlan J.

material collected by 24: 320.

on hand game, Kwakiutl 24: 320.

Smith, Harry

on Natchez among Cherokee 19: 387.

on traditional predecessors of Cherokee 19: 23.

Smith, James, on Indian bark-stripping 13: 109.**Smith, Col. James**

on dice game, Caughnawaga 24: 105.

on racket, Caughnawaga 24: 573 sq.

Smith, John (1)

cited 12: 668.

description of shell ornaments by 2: 232.

History of Virginia by, copy of figure from 12: 622, 623.

on Indian costume 13: 22.

on Indian method of spinning 13: 23.

on Indian shields 13: 18.

on name Rickahockan 19: 183 sq.

on popular synonym for wild rice 19: 1022.

on Powhatan arrow chipping 13: 141.

on Powhatan stone flaking 15: 62.

on sacred meat of Indians 9: 511, 512.

on use of stone knives 15: 84.

on Virginia arrow points 15: 84, 85.

on Virginia Indian costume 15: 44.

on Virginia Indian embroidery 13: 28.

on Virginia Indian feather-work 13: 27.

on Virginia Indian fish-weirs 13: 14.

on Virginia Indian sieves 13: 17.

on Virginia Indian wattled houses 13: 13.

on wild rice planted in Lincolnshire 19: 1037.

region explored by 15: 20, 135.

reference to village on Potomac Creek site by 20: 155.

villages mentioned by, identification of 13: xxvi.

Smith, John (2)

elected elder of Shaker church 14: 758.

purchase of land by 18: 564.

trading with Kiowa by 17: 318.

Smith, Capt. John, on tattooing 4: 63.

Smith, J. C., survey by 18: 944.

Smith, John J., flint on farm of 44: 517 sqq.

Smith, Gen. Kirby, attempt to enlist Cherokee by 19: 168 sq.

Smith, Lynn, ornate stone lamp in possession of 46: 34.

Smith, N. J.

acknowledgment to 19: 13.

Cherokee story teller 19: 237.

clerk of East Cherokee council 19: 173.

East Cherokee chief 19: 175.

life of 19: 178.

myths told by 19: 462, 474.

on East Cherokee civil war 19: 170 sq.

on East Cherokee schools 19: 176.

work of, among East Cherokee 19: 177.

Smith, N. W. 46: 31, 36, 38.

Smith, Q. C., Richwood Mounds, Mo., referred to by 12: 175.

Smith, Sibbald, acknowledgment to 19: 13.

Smith, Thomas E., commissioner to appraise Indian lands 5: 363.

Smith, William, grant of land to 18: 580.

Smith, W. R., cited 12: 658, 659.

Smith County, Tenn., remains in 41: 496.

Smith River Reserve

act authorizing 18: 831.

discontinuance of 18: 850.

removal of Indians to 18: 815, 851.

Smith Sound Crania

basiofacial diameters 46: 280 sqq.

dental arch 46: 276.

Eskimo 46: 230.

facial 46: 266.

facial angles 46: 285.

lower jaw 46: 308, 310.

means 46: 286.

mention of 46: 257, 259, 260, 261, 262, 263, 264.

nose 46: 268, 270.

orbits 46: 274.

skulls of children 46: 297.

Smith Sound Eskimo

long bones of 46: 317.

Smith Sound Eskimo—Continued
mention of 6: 459, 460; 46: 230,
357, 359.

Smithsonian Institution

acknowledgment to 19: 12.
archeological collections of 25: 17,
18, 19.
explorations under, in Alaska 46:
29, 30.
field work under 25: 231.
Latimer Collection received by 25:
90.
manuscripts from Gustav Eisen
received by 3: 64.
paintings destroyed in fire at 42:
527.
researches of 27: 8.

Smithsonian Report, paper on Iro-
quoian pottery in 20: 170.

Smohalla

account of 14: 708.
religion, account of the 14: 708.
religion, doctrine of 14: 716.
religion, tribes under influence of
14: 731.

Smohaller, a Smohalla synonym 14:
717.

Smohallow, a Smohalla synonym
14: 717.

Smohanlee, a Smohalla synonym
14: 717.

Smohollie, a Smohalla synonym 14:
717.

Smoke, John, songs recorded by
47: 9.

Smoke

a protection against mosquitoes
38: § 933.
ceremonial in Powamû festival 21:
36.
escape through roof opening and
transoms 8: 189, 204, 206, 207.
offering 22, i: 48, 101-104, 246,
312, 336, 358, 359.
offering by the Potawatomi 14: 209.
offering, ceremony of 29: 243, 247.
offering for longevity 22, i: 168.
sign for 1: 343, 380.
signals 1: 536.
signals, foreign 1: 539.
talk, ceremonial days of, in elaborate
Hopi festivals 21: 20.
term for 29: 53.

Smoke—Continued

use of, in coloring pottery, Eastern
United States 20: 56, 63.

See also Smoking; Tobacco.

Smoke Holes

closing, to avoid pestilence 32: 116.
in Eskimo houses 18: 245, 251.
occurrence of 42: 688.
of Omaha lodges 13: 273.

Smoke Signals

of the Creeks 42: 446.
reference to 28: 207.

See also Smoke.

Smoked Yellow. *See Shu'denaçi.*

Smokeholer, a Smohalla synonym
14: 717.

Smokeller, a Smohalla synonym 14:
711, 717.

Smoker's Village, location of 37: 51.

Smoking

among the Antilleans 25: 63.
among the Flathead tribes 45: 380.
among the Menomini 14: 251.
among the Northern Indians 11:
234, 291, 302.
among the Siouan Indians 15: 172.
as a war ceremony 17: 282.
assembly of the Hopi 15: 261.
at Navaho house dedication 17:
506.
at Tlingit potlatch 26: 438.
beliefs concerning 11: 511.
by American Indians 20: 44 sq.,
172.
by the Pima 26: 112.
ceremonial 47: 118, 132, 280 sq.,
294, 296, 298, 302, 311, 316, 336
sq., 704.
ceremonial, by the Arapaho 14:
918.
ceremonial, by the Hopi 16: 277,
281, 284, 290.
ceremonial, by the Menomini 14:
78, 80, 81, 83, 85, 88, 99, 158, 159.
ceremonial, in pictographs 14: 109.
ceremonial, of Tusayan 15: 289,
300, 302.
ceremony, Osage 39: 53, 61, 295.
customs connected with 45: 165,
278.
customs of 46: 524.
customs of, in Hopi ceremonies
21: 30, 53, 60.

Smoking—Continued

- customs of, in Pamürti festival 21: 28.
- deerskins 11: 296.
- Eskimo method of 18: 272.
- in ceremonials 11: 83, 93, 105, 373, 435, 458, 487.
- in Hopi ceremony 17: 734.
- methods and habits of, among Point Barrow Eskimo 9: 69-72.
- paraphernalia, Omaha 13: 279.
- plants used for 44: 379; 45: 494 sq.
- practice of 30: 52, 95.
- ritual, beliefs concerning 47: 281.
- See also* **Cigarette; Pipe; Smoke; Tobacco.**

Smoking Ritual

- of Medicine dance 37: 366.
- of War-bundle feast 37: 469.
- See also* **Pipes; Smoke; Smoking; Tobacco.**

Smoking Wi'-gi-e, Osage 39: 54-58, 59 sqq.

Smoky Lodges, a Cheyenne division 14: 1025.

Smoother, Cassava 38: § 365.

Smoothing. *See* **Finish.**

Smoothing Stones 25: 94.

Smoothing Tools

- for birds, Eskimo 18: 131-135.
- used by Eskimo 18: 87.

Smoothtown, Delaware dialect 28: 290b.

Smuts 33: 62.

Smuxale, a Smohalla synonym 14: 717.

Smyth, Maj. J. A., acknowledgment to 19: 13.

Smyth, R. Brough

- on Australian aboriginal customs 9: 485, 535, 537, 540, 574.
- on Australian signs 1: 306, 408.

Snags in rivers, cause of 30: 382.

Snail

- as a "pick-me-up" 38: § 281.
- as a weather charm 35: 626, 628.
- myths concerning 19: 449.

Snail-shell Beads 38: § 74.

Snake

- bag trick 14: 97.
- basketry design 38: § 445.
- chief, performances of 16: 277.
- corduroy, supernatural power of 42: 492.

Snake—Continued

- dance at Cipaulovi 16: 284 sqq.
- dance at Cuñopavi 16: 288.
- dance at Oraibi 16: 293 sqq.
- dance, function of the 16: 307.
- effigies of, appearance of, in Hopi festivals 21: 41, 42, 46, 51.
- finger catcher toy 38: § 617.
- heads of, appearance of, in pictures of Hopi katecinas 21: 84.
- hunt, taboo of work during 17: 639.
- image of, in picture of Tcanaû 21: 91.
- implements for hunting 19: 970.
- in Pima mythology 26: 371.
- in Pima song 26: 309, 323, 324, 328.
- killing of, prohibited by Indian medicine-men 9: 470.
- maids and Corn maids compared 16: 301.
- maids, discussion of 16: 300.
- not used for food 26: 83.
- people, union of, with Flute people 16: 304.
- race at Cipaulovi 16: 283 sq.
- race at Oraibi 16: 293.
- represented on pottery 17: 671, 677.
- string figure of 38: § 644.
- tail of, as charm in childbirth 35: 649 sqq.
- the town emblem of Atasi 42: 243.
- use of, by Indians 14: 500.
- use of effigy of, in Tusayan ceremony 15: 269, 270.
- washing of, motive for 19: 973.
- whip, in Snake ceremonies 19: 969, 972, 975.
- whips, description of 16: 297.
- whips, in Tusayan ceremony 16: 278, 279, 293, 294.
- woman turns into 32: 112.
- See also* **Black Snake; Bull Snake; Horned Serpent; Plumed Snake; Serpent; Snake-bite; Snakes.**
- Snake Altar**, characteristics of 19: 966.
- Snake and Flute Rites**
 - gods in 19: 1009 sqq.
 - needs of worshipper in 19: 1009 sqq.

Snake-Antelope

mysteries unknown at Zuñi 15: 304.

societies, original composition and development of 19: 624 sq.

Snake-bite

treatment for, Chickasaw 44: 264.

treatment for, Chippewa 44: 333.

treatment for, Guiana Indian 38: § 929.

treatment for, Isleta 47: 241.

treatment for, Pima 26: 65, 264.

treatment for, Thompson Indian 45: 462.

See also Snakes.

Snake Boy, myth of 19: 304 sq.**Snake Bush**

origin of 30: 232.

spirits associated with 30: 228, 232.

Snake Clan

and Snake society, relationship of 19: 1006 sq.

Hopi, reference to 28: 159.

native names for 42: 115.

of the Natchez 42: 118.

overcoming of Masauü by chief of 21: 38.

personal names of 37: 250.

prominence of, in Snake dance 19: 965.

Teabaigo katchina owned by 21: 75.

See also Tcūia Clan.

Snake Ceremony of the Menomini 14: 36.**Snake Dance**

acquired by the Foxes 40: 343.

at Mishongnovi, in 1897 19: 964-976.

at Walpi, in 1897 19: 976-985.

customs connected with 42: 525.

description of 21: 22.

duration of 19: 964.

fraternities taking part in 21: 23.

meaning of 19: 1008.

mention of 42: 523, 524.

Mishongnovi variant of, observation of 22, i: 120.

nature of 30: 139.

of Moki Indians, study of 7: XXVI, XXIX.

reference to 22, i: 18.

relation of dance-rock to 8: 65.

significance of 14: 561.

study of 19: xiv.

Snake Dance—Continued

suggestion of, by Teanaü katchina 21: 54.

the most primitive form of 19: 986.

time for performing 15: 259, 272.

See also Snakes; Tcūiatikibi.

Snake Disease, name given to various ailments 42: 645.

Snake Festival, alternation of, with Flute festival 21: 19.

Snake Fraternity. *See Tcūia Fraternity.*

Snake Girl, identity of dress of, with that of Flute Girl 21: 57.

Snake Indian

coiled work made by 41: 135.

land cessions and reservations 18: 831, 834, 836, 854, 858.

See also Shoshoni.

Snake Lily 33: 71.

Snake Man, myth of 19: 304.

Snake Medicine-men, function of 47: 107.

Snake People

absence of, at Sikyatki 17: 652.

early arrival of, at Tusayan 17: 582.

in Tusayan 19: 652.

northern origin of 17: 575.

settle at Walpi 17: 617.

the first occupants of the Tusayan region 8: 17.

See also Snakes.

Snake, Plumed

in Maya codex 15: 271.

in Zuñi ceremonies 15: 309.

on pottery from Pueblo ruins, description of 22, i: 115.

on pottery from Pueblo ruins, figure showing 22, i: 114.

See also Plumed Snake.

Snake Prayer-stick Making, description of 21: 21.

Snake Priests

functions of "carrier," "hugger" and "gatherer" 19: 975.

meal bag of 21: 91.

of Walpi, reference to 28: 145.

parts played by, in Antelope and Snake dance 19: 975 sq.

resemblance of decoration of Macibol to Snake symbol of 21: 87.

same as Tcūwimpkia 19: 623 sq.

Snake Priests—Continued

similarity of costume of, to that of Citulilü 21: 108.

tinklers worn by 21: 61.

Snake Rattle

in Sikyatki grave 17: 740.

used for ornament 17: 740.

Snake Rites, interpretation of 19: 1009 *sqq.*

Snake River Valley, study of carvings in 18: xxix.

Snake Society

census of 19: 625.

kiva, at Mishongnovi 19: 966.

organization and ceremonial of 11: 69, 78.

songs of 11: 123.

Snake Songs 45: 663 *sqq.*

Snake Tales 47: 189 *sq.*

Snake Youth and Woman 19: 1008.

Snakegrass 33: 63.

Snakeroot

medicinal use of 43: 266.

use of, by Menomini 14: 291.

use of, for snake-bite 42: 646.

See also **Button-Snakeroot**.

Snakes

absence of, on Great Plains 14: 513.
amativeness of 30: 128, 139, 143 *sq.*, 313, 370, 378.

beliefs concerning 42: 490; 43: 247, 267; 44: 251 *sq.*

binas from 30: 234, 283, 370.

bites of, cure for 30: 243.

black, called upon for assistance 32: 130.

ceremony of washing 19: 970-973.

eaten by Guiana Indians 30: 319.

eaten by Virginia Indians 42: 693.

enter woman's body 32: 228.

fangs of, used in vengeance 30: 359.

figures of, on Oraibi kilts 16: 294.
for Snake dance, collection of 19: 965.

handling of, by Crazy dancers 14: 1033.

handling of, by doctors 42: 645 *sq.*

how carried by Snake priests 19: 975 *sq.*

how handled in Tusayan dance 16: 288.

hunting of, at Tusayan 16: 277.

Snakes—Continued

in Menomini myth 14: 132.

in Pima flood legend 28: 50.

in Sioux mythology 14: 1063.

killing of, rain caused by 30: 267, 370.

legends of 30: 238, 284.

memoir on, ceremonies 16: xcvi, xcix, 267-312.

men converted into 32: 323.

mention of 46: 129.

myths and lore concerning 19: 241, 251, 252 *sq.*, 280, 294-306, 313, 346, 414, 433, 436 *sq.*, 456, 465, 481.

myths concerning 11: 479.

origin of man from 30: 143 *sq.*, 370.

references to 27: 45, 46, 213, 506.

species of 30: 283 *sq.*

stories concerning 42: 492-495.

symbol in Troano Codex 16: 247.

symbol of life 30: 149 *sq.*, 370.

taboo against killing 42: 490.

use of, in ceremonials 11: 87.

use of, in jugglery 11: 419.

use of, in medicine 37: 262.

worship of, among Tahus 14: 513.

See also **Camudi**; **Good Snake**; **Horned Snake**; **Many Snakes**; **Serpents**; **Snake**; **Snakebite**; etc.

Snakes, Cardinal. *See* **Cardinal Snakes**.

Snakeweed

used in ceremonials 30: 92 *sq.*

used in medicine 30: 53.

Snakewood. *See* **Brosimum**.

Snanaimuq Indian, war paint of 10: 632.

Snapper, name of Tlingit gaming stick 26: 444.

Snapping Turtle, a life symbol 36: 92.

Snare presented by Hahai wüqti 15: 281, 282.

Snares

for animals, Eskimo 18: 118-131.

for goat-hunting 35: 173 *sq.*

of the Menomini 14: 274.

use of 45: 103 *sq.*

use of, by Natackas 21: 35.

See also **Traps**.

Snaring among Northern Indians 11: 279, 315.

Sneezing

- beliefs concerning 11: 500; 30: 271.
- mention of 38: § 918.
- superstitions regarding 42: 515.

Snipe in Pima creation legend 28: 49.

Snipe Katsina. *See* Patszro.

Snohollie, a Smohalla synonym 14: 717.

Snohomish Reserve, executive order affecting 18: 868.

Snohomish Tribe

- basketry of the 41: 142.
- games of the 24:
 - dice games 156.
 - stick games 253 sq.
- mention of the 41: 136.
- population of the 7: 105.

See also Dwamish.

Snooholler, a Smohalla synonym 14: 717.

Snoqualmoo. *See* Dwamish.

Snout, varieties of, in pictures of Hopi kateinas 21: 28, 59, 60, 62, 64 sqq., 74, 76, 82, 85, 86, 91, 95, 97, 99, 100, 102, 103, 105-108, 111, 114.

Snow

- a man-being made by Tawiskaron 21: 324.
- Eskimo decoys made of 18: 132.
- Eskimo traps made of 18: 122.
- hunting in 46: 535.
- mythic destruction of 14: 216.
- pictographs for 10: 605 sq.
- prayers for 47: 540.
- shovels of the Eskimo 18: 78 sq.
- shovels, primitive 11: 318.
- symbolized by eagle down 35: 633.
- terms relating to 29: 58.
- use of, as water supply by the Zuñi 8: 91.
- Zuñi legend of 23: 446.

Snow Beaters, Eskimo 18: 77 sq.

Snow Blindness, how treated by the Zuñi 30: 57.

Snow Boat, an Iroquois game 24: 410 sq.

Snow Dance

- a woman's dance 42: 529.
- mention of 42: 523.

Snow Goggles, Eskimo, 11: 222; 18: 169 sqq.

Snow Houses

- description of 11: 223.
- fireplace of 9: 81.
- of the Eskimo 18: 242.
- of the Eskimo, description of 9: 81 sqq.
- of the Eskimo of Davis Strait 6: 541-544.
- of the Hudson Bay Indians 6: 547.
- of the Iglulik Eskimo tribe 6: 544.
- plan of 9: 82.
- tools used in making 9: 83.
- use of, as storehouses 9: 83.
- used as workshops 9: 83.
- windows of 9: 82.

Snow Katsina

- identity of some of the symbols of, with those of Huik 21: 61.

See also Nüvak.

Snow Knives, Eskimo 18: 345 sq.

Snow-on-the-Mountain 33: 99.

Snow People in Tusayan 19: 652.

Snow-Snake

- and Arapaho game compared 14: 1007.
- game of the Menomini 14: 244.
- general account of 24: 399 sq.
- implements for 24: 33.
- played by the 24:
 - Arapaho 400.
 - Assiniboin 415.
 - Cheyenne 400 sq.
 - Chippewa 401 sqq., 404, 405.
 - Cree 403 sq.
 - Crows 415.
 - Dakota 419.
 - Dakota, Oglala 415 sq.
 - Dakota, Teton 416 sqq.
 - Dakota, Yankton 418 sq.
 - Gros Ventres 404.
 - Hidatsa 419.
 - Huron 409.
 - Iroquois 404, 410 sq., 412.
 - Kiowa 400, 413.
 - Mandan 419.
 - Menomini 404 sq.
 - Missisauga 405.
 - Omaha 419 sq.
 - Passamaquoddy 406.
 - Pawnee 409.
 - Penobscot 406 sq.
 - Pomo 413 sq.
 - Ponca 419.
 - Sauk and Foxes 407 sq.

Snow-Snake—Continued

played by the 24—continued

Seneca 410–413.

Siouan stock 400.

Takulli 409.

Topinagugin 414.

Tuscarora 413.

Yokuts 414.

Snowberry

belief concerning 45: 511.

creeping, use of 44: 288, 307, 317.

use of 44: 293; 45: 458, 470, 489.

See also **Symphoricarpus Albus**.

Snowden, Mrs. Peter G., mound on land of, Florida 12: 378.

Snowfall at Point Barrow, Alaska 9: 71.

Snowflake, Ariz.

excavation of ruins near 19: XIII sq.

Pueblo ruins near 22, i: 121, 164.

Snowshoe

of the Eskimo 9: 344–352; 18: 212 sqq.

of the Nenenot 11: 308.

of the Omaha and Ponca 13: 281.

of the Winnebago 37: 123.

use of, among Northern Indians 11: 311.

Snowshoes

description of 45: 108 sq.

in Menomini myth 14: 179.

of the Menomini 14: 263.

types of 45: 249.

use of 45: 355.

See also **Snowshoe**.

Snowstorm. *See* **Ducks**.

Snuff

Eskimo method of preparing 18: 272.

Eskimo method of taking 18: 273.

use of, among Guiana Indians 38: § 286.

use of, among Northern Indians 11: 234, 291, 302.

Snuff-boxes, Eskimo 18: 273 sqq.; 46: 136.

Snuff-tubes, Eskimo 18: 273, 275.

Snyder, F. F.

cited 12: 673.

description of modes of burial by 12: 554.

Snyder, H. F., pottery collected by 20: 193, 194.

Snyder, J. F., discovery reported by 44: 531.

Snyder, Simon, cited on Sword-bearer 14: 707.

So Wüqti

appearance of, in festival of Powamû kateinas 21: 38.

description of 21: 76.

identity of Kokyan wüqti with 21: 90.

Soaking dried meat in canoe 35: 433.

Soaking-Box 35: 324, 327, 329, 346, 352.

S'o'am Nyu'i Va-aki, Pima ruin 26: 24.

Soapstone

Eskimo utensils made of 18: 63.

quarries, examination of 13: XXVI.

use of, for utensils 11: 228.

See also **Serpentine; Steatite**.

Soapweed

fiber of, used for cords, mats, etc. 30: 79.

mention of 33: 71.

used as food 30: 73.

used for decorating pottery 30: 82.

used for washing 30: 83, 90.

used in ceremonies 30: 90.

Sobaipuri

a division of the Piman family 7: 98.

account of the 26: 23.

allies of Pima 26: 200.

Apache raid on tribe of 19: 598.

cremation not practiced by 26: 26.

Friar Marcos among the 14: 356.

intermarriage of, with Pima and Apache 26: 186 sq.

knowledge of Cibola among the 14: 358.

migration of the 26: 23.

on origin of ancient ruins 26: 26.

references to 28: 54, 58.

running races among the 24: 806.

with Kino's expedition 26: 27.

Sobaypuris. *See* **Sobaipuri**.

Sobbing as an expression of despair 20: CXLII.

Sobiarpuris. *See* **Sobaipuri**.

Social

and family nomenclature 38: § 877–880.

and religious missives 10: 362–374.

Social—Continued

development, stages of 17: 293*.
life 27:

amusements 363-370.

care and training of children 327-333.

courtship and marriage 318-327.

etiquette 334-337.

friendship 318 *sq.*

kinship terms 313-318.

personal adornment 349-354.

property 362 *sq.*

life and customs of Eskimo 6: 574-578.

life of Zuñi 47: 476-480.

rites related to masks 3: 98-120.

status, pictographs 4: 183.

surroundings of Point Barrow Eskimo 9: 43-55.

vices among Omaha 3:

adultery 364.

fornication 365.

mention of 364 *sq.*

paederasty 365.

prostitution 365.

rape 365.

schoopanism 365.

Social Customs

of the Eskimo 18: 285-292.

of the Kwakiutl 35: 750-794.

of the Siouan tribes 15: 169.

Social Institutions of the Creek 42: 695-711.

Social Organizations

at Oraibi 47: 357.

Chickasaw 44: 190-213.

Coeur d'Alène 45: 150-163.

discussion of 47: 140 *sq.*

Eskimo 18: LIV.

Flathead 45: 373-380.

Fox, inadequate knowledge of 40: 501.

Okanagon 45: 261-278.

Pima 26:

gentes 197.

morals 197 *sqq.*

officers 195 *sq.*

polite forms 199 *sq.*

slaves 197.

Seri 17: 10 *sq.*, 269*-295*.

Siouan 15: 177.

Tsimshian, divided into four groups 31: 411.

Social Position and marriage laws 35: 776-787.

Social Science Research Council, addressed by Mr. Stirling 47: 1.

Socialry, Seri, place of 17: 293* *sqq.*

Societies

among the Omaha 3: 342.

based on similarity of visions 27: 133.

basis of 37: 432.

Buffalo, feast of 37: 344-347.

cult, of the Menomini 14: 66.

entrance fees of 27: 212 *sq.*

Herok'a, feast of 37: 343.

influence of, in political life 47: 41.

magic in 27: 583, 602.

organization of, as corporation 20: LXXIII *sq.*

property of 27: 363.

reference to 27: 33.

sacred, of the Zuñi 13: 371.

tribal, grouping of people in 20: XCI.

Zuñi, origin of 13: 387.

See also **Buffalo Society; Little Spotted Buffalo Society; Secret Societies; Singing-around Rite; Societies, Secret; Societies, Social; White Buffalo Society.**

Societies, Secret

admission into 27: 585.

among the Dakota 11: 497.

Hoⁿ'hewachi 27: 493-509.

In^gthuⁿ' ithaethe 27: 490 *sqq.*

Moⁿ'chu' ithaethe 27: 486 *sq.*

Pebble Society 27: 529, 565-581.

rites of 27: 596.

Shell society 27: 509-565, 566, 581.

Te'ithaethe 27: 487 *sqq.*

Wanoⁿ'xe ithaethe 27: 489 *sq.*

Societies, Social

Hethu'shka 27: 459-480.

Ki'kuⁿ'ethe 27: 485 *sq.*

Moⁿ'wa'dathiⁿ 27: 486.

Pu'gthoⁿ 27: 481-485.

T'e ga'xe 27: 486.

Toka'lo 27: 486.

See also names of different societies.

Society, Kinship 1: 68, 69.

Sociologic

and governmental institutions of the Zuñi 3: xxix.

conditions connected with use of gestures 1: 293.

Sociology

- branches of 21: XX, XXI.
- classification of science of 15: XIX;
20: LX.
- definition of 16: XVII; 20: LIX.
- field of research of 20: LX.
- Indian, features of 15: 199.
- Kiowa 17: 227.
- limitations to the use of, in study
of anthropology 1: 83.
- office work in 22, i: XXIV-XXX.
- Omaha 3: 205-370.
- or the science of institutions 20:
LX-CXXXVIII.
- progress of research in 17: XXXI-
XXXIV.
- Siouan, memoir on 15: XCIX, 205-
244.
- subject matter of 19: XII.
- work in 14: XXXVII; 15: XXIII,
XXVI, XXXI, XXXV, XL, XLV, LXXX;
16: LX, LXXVI; 17: LI *sqq.*; 18:
XXXIX *sqq.*; 19: XXII-XXV; 20:
XVII *sqq.*; 23: XXXII *sqq.*
- Zuñi, study of 13: xxx.
- See also* **Regimentation.**
- Sockeye Salmon**
mention of 35: 238, 246.
name of 35: 612.
old 35: 239.
spawn 35: 237.
- Socks, Eskimo** 18: 43.
- Soco Creek, N. C.**, Cherokee use of
clay from 20: 53.
- Soco Group**, legend of 19: 408 *sq.*
- Socochima.** *See* **Sicuchimatl.**
- Sod Houses, Eskimo** 11: 228.
- Soda Canyon**, ruins near 38: p. 3.
- Sodomy**
absence of, at Cibola 14: 518, 522.
among Indians of Petatlan 14: 515.
among Indians of Suyá 14: 516.
among Pacaxes 14: 514.
practice of 42: 697.
See also **Paederastia; Schoopan-**
ism.
- Sö'hö**, legendary Pima chief 28: 44
sq., 61 *sq.*
- Sohonut** land cessions and reserva-
tions 18: 782.
- Soil**
blue, use of 36: 227.
dark, use of 36: 227.
red, use of 36: 227.

Soil—Continued

- sacred, disclosed by the bear 39:
186.
- yellow, use of 36: 227.
- Soiónes**, a Huron adopted among the
Iroquois 43: 456.
- Soke Tribe** occupying Sooke Inlet
7: 130.
- Sokokis**, location of 43: 170, 175.
- Sokorico Indians**, modeling among
the 30: 140.
- Sokulk**, a Wa'napûm synonym 14:
735.
- So-kus wai'-un-äts**, a Shoshoni myth
1: 47-51.
- Solanaceae** 33: 13.
- Solanum**, native of Arizona 26: 78.
- Solanum Elaeagnifolium**, Pima food
plant 26: 78.
- Solar Myths**
association of flute with Tawa in
21: 101.
See also **Sun.**
- Solazar**, a Spanish leader 25: 38
sq., 40.
- Soldering silver**, Navaho method of
2: 176.
- Soldier**, sign for 1: 344, 449, 505.
- Soldier Clan**
difference from Warrior clan 37:
386.
See also **Bear Clan.**
- Soldier Dance**
description of 46: 562.
of Bear clan 37: 228, 386 *sq.*
- Soldiers**
duties of 46: 442, 448.
fight with Rees 4: 111 *sq.*
organization of 46: 436.
- "Soldiers"**
account of 27: 210, 442.
in Buffalo hunt 27: 215, 279, 281,
282.
- Soledad** language of Mofras 7: 102.
- Solicitation**, signs of 30: 201.
- Solidago**
species of, used medicinally 42:
664.
use of 44: 293, 344.
- Solidago Altissima**, use of 44: 293,
348, 354.
- Solidago Decumbrens** 45: 468, 472.
- Solidago Flexicaulis**, use of 44:
293, 342.

- Solidago Juncea**, use of 44: 293, 336.
- Solidago Rigida**
 medicinal constituents of 44: 305.
 medicinal properties of 44: 302.
 reason for increase of 33: 61.
 use of 44: 293, 348, 364.
- Solidago Rigidiuscula**
 medicinal constituents of 44: 305.
 medicinal properties of 44: 302.
 use of 44: 293, 340, 350, 352, 358, 362, 364.
- Solidago sp.** 33: 133.
- Solis, Francisco de**, mention of 14: 529.
- Solis, Isidor de**, mention of, by Jaramillo 14: 592.
- Solis de Meras, Gonzalo**, mention of, by Jaramillo 14: 592.
- Sollas, Prof. W. J.** 46: 332, 333, 350, 372.
- Solomon, S.**, Menomini treaty commissioner 14: 21.
- Solomon's Town Wyandot**, land cessions and reservations by 18: 690, 734.
- Solomonseal**
 among the Kwakiutl 35: 600.
 use of 44: 291, 336.
- Solomonsville, Ariz.** *See* **Solomonville**.
- Solomonville, Ariz.**
 collection from 19: xxi.
 excavation of ruins near 19: xiv.
 Pueblo ruins near 22, i: 171.
 ruins near 26: 25 sq. (spelling: **Solomonsville**).
- Solórsano, Mrs. Ascensión**
 assistance rendered by 47: 3 sq.
 basket made by 47: 13.
 materials and specimens obtained from 48: 7.
 the last San Juan Indian 48: 7.
- Solstice**
 close of ceremonies of 23: 141.
 reference to 29: 62.
 summer, embellishment of altar of 23: 159.
 winter and summer, calculation of 23: 108.
 winter, announcement by Sun priest of 23: 109.
 Zuñi name for 23: 108.
- Solstice Ceremonies**
 dates set for 47: 512, 534.
- Solstice Ceremonies—Continued**
 determination of 47: 288.
 first attendance at 47: 219.
 observance of 47: 514 sq., 530 sqq., 534-540.
 of the Coru groups 47: 290-301.
- Solstice Period**, significance of, to Zuñi 47: 534.
- Solstices**
 determination of 47: 41.
See also **Solstice**; **Summer Solstice**; **Winter Solstice**.
- Solute cists** 1: 113.
- Somahallie**, a Smohalla synonym 14: 717.
- Somatic Characters of the Seri** 17: 9, 136*-163*.
- Somatic Material** transferred to the National Museum 23: xix.
- Somatologic Classification of Indians** 14: xxvii.
- Somatology**
 Siouan 15: 185.
 work in 23: xviii sq.
- Sommer, W.** 46: 372.
- Son**
 application of the term 42: 81.
 articles furnished by 22, ii: 20.
 choice of, in Hako ceremony 22, ii: 29-56, 292.
 clothing of 22, ii: 101.
 duties of, in Hako ceremony 22, ii: 31.
 journey to 22, ii: 68-89, 301-308.
 lodge of, consecration of 22, ii: 97-100, 310-313.
 lodge of, entrance of Hako party into 22, ii: 93-96, 309, 310.
 lodge of, songs sung in 22, ii: 80, 81, 84, 85.
 messenger of, clothing the 22, ii: 89, 91, 308.
 messenger sent by Hako party to 22, ii: 56, 57, 294, 295.
 prefiguration of journey to 22, ii: 49-56, 292.
 reception of messengers by the 22, ii: 294.
 requirement and duties of 22, ii: 18.
 sending of messengers to 22, ii: 56 sqq.
 village of, arrival of Hako party at 22, ii: 87, 308.

Son—Continued

village of, entrance of Hako party into 22, ii: 92, 93, 308.

younger, treatment of 35: 1097.

See also Child; Sons.

Sonak Hadjo, information furnished by 42: 379, 396.

Sondóta, Kiowa name of the Shoshoni 17: 160.

Song

acknowledging that Tirawa answers prayer 22, ii: 196, 197, 343.

asking the way of the ear of corn 22, ii: 70, 300.

at the crossing of streams 22, ii: 75, 303, 304.

characteristic feature of, in Sumaikoli 21: 55.

closing, of the Arapaho 14: 1012.

closing, significance of 14: 918.

enjoining the Hako party to follow the ear of corn 22, ii: 68, 300.

extra, acknowledging the gift of a pony 22, ii: 146.

gambling, of the Paiute 14: 1009.

Hako dance, of gifts 22, ii: 225.

Hako dance, of thanks 22, ii: 254.

in praise of lesser powers 22, ii: 108, 163, 199, 314, 334, 344.

incidental, to avert a threatening storm 22, ii: 226.

invoking the earth to give plenty 22, ii: 144.

invoking the visions of the ancients 22, ii: 178, 179, 338.

invoking visions 22, ii: 118, 319, 320.

mnemonic, of the Menomini 14: 114, 115, 126.

mnemonic, of the Ojibwa 14: 106, 107.

movements of Corn maidens to rhythm of 21: 88.

of a talismanic ear of corn 22, ii: 157, 332.

of anointing the child 22, ii: 223, 224, 353.

of appeal of the son to the powers 22, ii: 101, 312.

of approaching the son's village under the leadership of the ear of corn 22, ii: 86, 307.

of blessing the child 22, ii: 257, 361.

Song—Continued

of blue paint for the feathered stem 22, ii: 37, 38, 200, 288, 345.

of carrying the child 22, ii: 212, 213, 250.

of cleansing and strengthening the child with water 22, ii: 215, 351.

of coaxing the child 22, ii: 211, 349.

of dawn 22, ii: 123, 134, 322.

of daylight 22, ii: 131, 324.

of dreams of Hako coming from the east 22, ii: 149, 329, 330.

of earth 22, ii: 163, 335.

of finding the son 22, ii: 50, 51, 293, 294.

of gratitude for Hako in the sixteen circuits of the lodge 22, ii: 195, 343.

of gratitude in the circuit of the lodge 22, ii: 189.

of gratitude of the children for Hako 22, ii: 142, 327.

of green paint for the feathered stem 22, ii: 39, 200, 201, 289, 345.

of greeting the son 22, ii: 90, 204, 308, 347.

of greeting to the son's messengers 22, ii: 90, 308.

of making the nest 22, ii: 242, 358.

of painting the ear of corn 22, ii: 43, 205.

of painting the child with blue paint 22, ii: 231, 355.

of painting the child with red paint 22, ii: 227, 354.

of praise to Tirawa before feeding the children 22, ii: 107, 162, 199, 314, 334, 344.

of putting eagle down on the child 22, ii: 235, 236, 356.

of Rush for charcoal 45: 646 sq.

of seeking the child 22, ii: 202, 346.

of seeking the son's lodge 22, ii: 92, 203, 309, 346.

of seizing the Wa'-doⁿ-be 45: 608 sq.

of sending the messengers 22, ii: 56, 295.

of thanks for Hako 22, ii: 177.

of the abode of vision 22, ii: 155, 331, 332.

of the arrival at the son's village 22, ii: 88, 307.

Song—Continued

- of the ascent of the ear of corn 22, ii: 43, 205, 291, 347, 348.
- of the bird's nest 22, ii: 169.
- of the brown eagle covering her young 22, ii: 116, 317.
- of the brown eagle entering her son's lodge 22, ii: 98, 313.
- of the brown eagle flying to her nest 22, ii: 114, 317.
- of the brown eagle in the sixteen circuits of the lodge 22, ii: 193, 342, 343.
- of the call to the children 22, ii: 249, 250, 259.
- of the child in the nest 22, ii: 245, 246.
- of the child taking the symbolic steps 22, ii: 212, 350.
- of the coming of the children 22, ii: 251, 252, 260.
- of the consecrated ear of corn 22, ii: 159, 160, 333.
- of the duck 22, ii: 174.
- of the eagle hovering over the nest 22, ii: 111, 112, 316.
- of the eaglets crying to the mother birds 22, ii: 113, 316.
- of the ear of corn asserting authoritatively 22, ii: 71, 301.
- of the ear of corn entering the son's lodge 22, ii: 94, 310.
- of the ear of corn resuming leadership 22, ii: 160, 161, 297.
- of the Eskimo 9: 389.
- of the flocking of birds 22, ii: 184, 340.
- of the gathering of the children 22, ii: 250, 260.
- of the Hawk 45: 574.
- of the Meridian Sun 45: 599-602.
- of the Moose 14: 193.
- of the Owl 22, ii: 175, 176.
- of the promise of buffalo 22, ii: 80, 305.
- of the Rattle 45: 582-586.
- of the Rite of Vigil 45: 586-592.
- of the Sioux campaign 14: 883.
- of the smoke offering to the son 22, ii: 103, 312, 313.
- of the son's lodge 22, ii: 90, 309.
- of the Stars 45: 658 sq.
- of the vision of Hako 22, ii: 147, 329.

Song—Continued

- of the Wa'-doⁿ-be 45: 619.
- of the Waters 45: 654-657.
- of the Wa-xo'-be 45: 541 sqq.
- of the white eagle in the sixteen circuits of the lodge 22, ii: 191, 342.
- of the Wild Rose 33: 85.
- of the woodpecker and the turkey 22, ii: 172.
- of the wren 22, ii: 171.
- of touching the child with the brush of grass 22, ii: 219, 352.
- of touching the child with the feathered stems 22, ii: 206, 207, 349.
- of tying the eagle's feathers on the child 22, ii: 238, 239, 357.
- of Wailing 45: 614 sqq.
- on feathering the feathered stem 22, ii: 41, 289.
- power of 45: 187.
- rabbit, in Menomini folklore 14: 221.
- rendition of, in Hopi festivals 21: 31, 36, 37.
- snake 45: 663 sqq.
- spirit 45: 596-599.
- standing at his Fireplace 45: 565 sq.
- summoning the children to send gifts 22, ii: 140, 327.
- to awake the children 22, ii: 79, 305.
- to the buffalo 22, ii: 79, 305.
- to the ear of corn before feeding the children 22, ii: 109, 314.
- to the ear of corn in the sixteen circuits of the lodge 22, ii: 188, 341.
- to the lesser powers 22, ii: 27-37, 283-286.
- to the mesa 22, ii: 84, 306.
- to the Morning Star 22, ii: 128, 323.
- to the mountains 22, ii: 82, 305, 306.
- to the players 22, ii: 151, 330.
- to the power 22, ii: 65, 298, 299.
- to the sun 22, ii: 135, 326.
- to the wind 22, ii: 77, 304.
- to Tirawa before setting out 22, ii: 63, 64, 298.
- to trees and streams 22, ii: 73, 303.

Song—Continued

- use of, as accompaniment to meal-grinding in Hopi ceremonies 21: 44.
- use of, in ceremony 30: 43, 55.
- use of, in Flute ceremony 21: 30.
- use of, in Pamürti 21: 27.
- victory 45: 676 sq.
- Wolf 45: 606 sq.

See also Chant; Music; Songs.

Song Cycles of Great Fire Society 47: 496.

Song Keepers 35: 1162.

Song Leader 35: 769, 893, 1007, 1010, 1045.

Songish Indians or Tribe

- burial customs and remains of 6: XLII.
- games of the 24:
 - cat's cradle 773.
 - dice games 157.
 - hand game 302.
 - hoop and pole 491.
 - shinny 632.
 - stick games 248, 254.
- mention of the 41: 136.

Songs

- accompanying ceremonies 46: 496.
- accompanying dances 42: 522 sq.
- among the Indians 19: 463.
- archaic songs, Pima 26: 271-281.
- associated with clans 37: 240.
- at door of House of Mystery 36: 289.
- at potlatches, Tlingit 26: 437-443.
- attached to rites 47: 282.
- bear 27: 487.
- black bear 39: 185-192, 344-347; 45: 644 sqq.
- blue jay 39: 220.
- bow making 39: 271-274.
- Buffalo 36: 141 sqq., 293 sq.; 39: 192-205, 283-289; 45: 640-643.
- Buffalo, meaning of 36: 143 sq.
- burial 1: 194.
- butchering 39: 134.
- captive 27: 427-431, 603.
- carrying 39: 135.
- ceremonial feast 39: 226.
- Cherokee 19: 400, 435, 468, 472 sq.
- circling, Pima 26: 289-297.
- classes of, recorded 47: 10.
- classification of, Pima 26: 270 sq.

Songs—Continued

- connected with harvesting corn 47: 277.
- connected with societies or rites 27: 502 sq.
- corn planting 39: 196-205.
- cradle 42: 362 sq.
- crow 39: 127 sqq., 182-185, 316; 45: 621 sqq.
- dance, kinds of 47: 495.
- dance, of societies 47: 495.
- deer 36: 185-191; 39: 129-137, 322-326; 45: 643 sq.
- deer call 43: 397.
- early morning 45: 566-571.
- elk 39: 338-344.
- Eskimo, examples of 18: 348 sq., 364, 367, 369, 374 sq.
- Eskimo, kinds of 18: 347 sq.
- Eskimo, method of learning 18: 348.
- esoteric meaning of 40: 97.
- explanation of 10: 231 sq.
- farewell 37: 385.
- feast 35: 1045, 1061, 1293.
- festal, Pima 26: 271, 283 sq.
- fire-drill 39: 224.
- fire-making 39: 225.
- fireplace 39: 278, 280.
- fish-turtle 45: 605 sq.
- Flute, at Walpi 19: 1002 sq.
- for deer disease 42: 639 sq.
- for dog disease 42: 641 sq.
- for feast 35: 320, 325.
- for grinding corn 47: 496 sq.
- for periwinkle disease 42: 647 sq.
- for rain 33: 119.
- for rat or mouse disease 42: 642 sq.
- for snake sickness 42: 646.
- for winter ceremonial 35: 342.
- four-day practice of 47: 332.
- from Guardian Spirits 45: 186.
- funeral 27: 593.
- game, Pima 26: 271, 297 sqq.
- general description of 27: 373 sqq.
- Ghost dance, rehearsal of 14: 918.
- gray owl 39: 227.
- Great Evening 45: 659 sqq.
- Great Rain 45: 665-668.
- Herucka 37: 384.
- host 35: 812.
- hunting, Pima 26: 271, 299 sqq.
- in Smohalla 14: 730.

Songs—Continued

- in treatment of disease 27: 582 *sq.*, 585.
- in Tusayan ceremony 16: 280, 283.
- incidental, on changing a man's name 22, ii: 272, 273, 366 *sqq.*
- incidental, to quiet a child 22, ii: 261 *sqq.*, 363.
- Indian, study of 15: xxxviii.
- individual ownership of 47: 495.
- learning of 47: 889.
- list of 46: 618 *sq.*; 47: 496.
- little evening 39: 220; 45: 661 *sqq.*
- little, of the gathering 36: 253.
- little, of the sun 36: 63 *sq.*; 39: 280; 45: 602-605.
- little rain 45: 669-672.
- love 27: 319 *sqq.*, 375; 35: 1298, 1301, 1306.
- lullaby 38: § 910; 46: 620.
- magical, use of 42: 503.
- making Cannibal spirit sleep 35: 1246.
- medicine, Pima 26: 261-267, 271, 302-330.
- mention of 35: 772, 1279-1315.
- midday 39: 318-321.
- mode of singing, description of 7: 289 *sq.*
- mode of writing 7: 286-289.
- mourning 35: 1292.
- Navaho, necessity for correctness of 17: 506.
- necessary in use of medicines 42: 668.
- night 37: 553.
- of act of weeping 39: 137 *sq.*
- of approach to ceremonial house 36: 82.
- of approach to the house 39: 79.
- of approach to the House of Mystery 36: 287.
- of awakening the Wa-xo'-be 39: 89.
- of Bear clan 37: 321, 548, 549.
- of Buffalo clan 37: 245.
- of Buffalo feast 37: 345.
- of Cannibal dance 35: 930-934.
- of Chief's daughter 35: 1314.
- of closing the ceremony 45: 677 *sq.*
- of clouds 39: 351-355.
- of counting the o-do^a 39: 172.
- of crossing a river 39: 218.

Songs—Continued

- of daughter of working man 35: 1313.
- of death 36: 252.
- of decorating club 39: 355-358.
- of dedication by Navaho 17: 505-508.
- of drawing the arrows 39: 233 *sq.*, 364-369.
- of Ēwanux^udzē 35: 1285.
- of fight for charcoal 39: 213, 327.
- of gathering wood 39: 220.
- of Ghost dancer 35: 915 *sqq.*
- of gray owl 39: 227.
- of greeting the Holy Men 39: 102 *sq.*
- of greeting the Symbolic Man 39: 101 *sq.*
- of Grizzly-bear dance 37: 346.
- of high hills 39: 349 *sqq.*
- of horned owl dance 42: 530.
- of lamentation 45: 695 *sqq.*
- of L'āqōlas 35: 1282.
- of L!āqwadzē 35: 1289.
- of L!āsotiⁱwalis 35: 1288.
- of laying down the Wa-xo'-be 39: 369.
- of Little Spotted Buffalo ceremony 40: 519-533.
- of making one strike the other 45: 672 *sqq.*
- of making the bow 45: 593-596.
- of Medicine dance 37: 365, 370.
- of Menmenlēqelas 35: 1303, 1304.
- of Moccasin wi'-gi-e 36: 291.
- of mystic house 39: 218.
- of opening the shrine 39: 260-264; 45: 564.
- of osprey 39: 347 *sqq.*
- of painting ceremony 36: 244 *sqq.*
- of parents 35: 1315.
- of processional approach 39: 77, 79 *sq.*
- of Qlūmx'ōd 35: 1287.
- of Qwax'ila 35: 1290.
- of releasing the arrow 45: 675 *sq.*
- of return of the bird 39: 232.
- of reversal 39: 90 *sq.*, 92.
- of rising of buffalo bull men 39: 206-213.
- of rising to depart 39: 236.
- of rite of vigil 39: 275-280.
- of Screech-owl dance 42: 530.
- of seizing the Wa'-do^a-be 39: 147 *sq.*

Songs—Continued

- of setting up of House of Mystery
36: 198-201.
- of Singing-around rite 40: 591 *sqq.*
- of Soldier dance 37: 387.
- of son of chief 35: 1312.
- of speaker 35: 1279.
- of striking one against the other
39: 230.
- of striking the earth 39: 230, 358-362.
- of symbolic man 39: 267.
- of symbolic rattle 39: 114-120.
- of symbols on war club 39: 230.
- of taking up rattle 39: 114-120.
- of the Arapaho 14: 958.
- of the Basques and others 1: 195.
- of the bluejay 43: 379, 443, 444, 445.
- of the Caddo 14: 1096.
- of the Cheyenne 14: 1028.
- of the Comanche 14: 1046.
- of the Dove sisters 43: 353, 438.
- of the elf 43: 303, 307, 341, 343, 426, 427, 428, 429 *sq.*, 431 *sq.*, 433 *sq.*, 435, 436, 437.
- of the fasters 42: 588.
- of the Ghost dance 14: 920, 953.
- of the grandmother 43: 367, 440, 441.
- of the jackrabbit 43: 379, 442, 443.
- of the Meda 4: 82.
- of the Paiute 14: 1052.
- of the sabia 42: 499.
- of the Shakers 14: 755.
- of the Sioux 14: 917, 1061.
- of the wizards 43: 367, 369, 439, 440, 441, 442.
- of Thunderbird clan 37: 211.
- of triumph 36: 297-302; 39: 229, 232, 301.
- of triumph, chanted by women 42: 419.
- of Tsex'wid 35: 1286.
- of untying the shrine 39: 88-103.
- of various tribes, recorded 44: 11 *sq.*
- of vigils 39: 106-110.
- of walking over the earth 39: 362 *sqq.*
- of walking upon animal skins 39: 86.
- of war 42: 408, 424.
- of War-bundle feast 37: 444 *sq.*
- of Warrior clan 37: 219, 220.

Songs—Continued

- of Warrior K'ilem 35: 1311.
- of water 39: 312.
- of White Buffalo dance 40: 97-115.
- of White Buffalo dance, cited 40: 121.
- of winter ceremonial 35: 1220.
- of Wolf clan 37: 240.
- of Zuñi ceremony 47: 530.
- Omaha, war 3: 320, 322, 323, 325, 331.
- order of 10: 231-250; 35: 772; 40: 38.
- order of, in feast 35: 1046-1050.
- Osage, footstep 43: 37.
- Paiute, character of 14: 1050.
- parting 35: 1307, 1309.
- personal allusions in 47: 889 *sq.*
- pertaining to the attack 39: 294.
- Picurís, analysis of 43: 399-425.
- pipe offering 39: 120-123.
- planting 36: 295.
- property in 27: 363.
- puberty, Pima 26: 271, 330 *sq.*
- rain, of Wovoka 14: 772.
- rain, Pima 26: 271, 331 *sqq.*
- relating to sacred charcoal 39: 327.
- rendition of 40: 27.
- rhythm of 35: 1169, 1194, 1197.
- rising 39: 76.
- rituals accompanied by 47: 494 *sq.*
- sacred 35: 736, 737, 738, 739, 740, 745, 872, 874, 892, 929, 936, 955, 962, 1004, 1005, 1053, 1131, 1137, 1138, 1241.
- sacred, of shaman 35: 708, 722, 726.
- sacred, of war dancers 35: 1136.
- secret 35: 910.
- Sia 11: 123, 125, 127.
- Siouan 11: 445, 480.
- spirit 39: 103-106.
- supplication 39: 111-114, 220.
- Tanana 46: 43.
- teasing 47: 321 *sq.*
- texts of 33: 294, 310, 327, 376, 422, 424, 426, 428, 484, 486, 488, 520, 558, 566, 604.
- the Seven 39: 77, 78.
- the Six 39: 77, 78 *sq.*
- Thunder 27: 491 *sqq.*, 598 *sq.*
- use of 46: 617.
- use of, in Midewiwin ceremonies 7: 193-196, 202 *sq.*, 207-214, 216,

Songs—Continued

use of, in Midewiwin ceremonies—
continued

218 *sq.*, 227–230, 232 *sq.*, 239 *sq.*,
243 *sq.*, 246–251, 253 *sq.*, 259 *sqq.*,
263 *sq.*, 266–273, 282–286, 289–297.

use of, in treatment of the sick 44:
268.

use of, while at work 42: 443.

war, of Neqāp!enk'em's against the
Sanetch 35: 1380.

war, of the Pima 26: 335–338.

with dances 47: 282.

wolf 27: 410 *sq.*; 39: 124–127,
290–294.

women's 27: 320–323, 421.

words of 38: § 596, 597.

workingman's 35: 1310.

See also Chant; Formulas; Music;
Song; and names of various
societies.

Son-in-law

application of the term 42: 83, 93.

status of 46: 511.

substitute for 35: 432, 433.

term for 40: 376.

the contented, legend of 30: 190.

Son-of-the-Sand. *See* Peyi.

Sonoita, visited by Kino 26: 27.

Sonoita Valley, race track in 26: 173.

Sónoli 'Hlúēlawe occupied by the
Zuñi 13: 332.

Sonomi, stick game of the 24: 248.

Sonora, Juan Maria de, on Seri 17:
66 *sq.*

Sonora, Mexico

as a trading center 26: 94.

description of 14: 515.

description of, by Jaramillo 14: 585.

earthquake of 26: 60.

field work in 22, i: ix.

food supply in 14: 554.

petroglyphs in 10: 131, 749.

references to 28: 54, 70.

river and valley 14: 387.

settlement of, by Spaniards 14: 572.

traversed by Friar Marcos 14: 355.

Sonora Creek, site at 46: 90.

Sonora Doves kept by Pima 26: 86.

Sonora Valley

location of 14: 355.

Spanish settlement in 14: 484.

Sonoran, number names of the 19:
867 *sq.*

Sonoran Province

climate of 17: 23 *sq.*

definition of 17: 22.

fauna of 17: 36–39.

flora of 17: 31–36.

geology of 17: 26, 30 *sq.*

hydrography of 17: 25–28, 31.

physical characteristics of 17: 22–
31.

precipitation in 17: 24 *sq.*

sheetflood erosion in 17: 25 *sq.*

temperature of 17: 23 *sq.*

Sonoyta Valley, Mexico, field work in
22, i: XIII.

Sons

first three, names for 43: 31 *sq.*

kinship terms for 43: 31.

See also Child; Kinship Terms;
Son.

Soot, use of, for tattooing 38: § 510.

Sophia, clan name from 30: 86.

Sophia Pinnata (Walt) Britton, use
of 26: 77.

Sophic Activities, research in 17:
xxxv *sqq.*

Sophiology

classification of 15: XIX.

definition of 16: XVIII.

office work in 22, i: XXXIII–
XXXVII.

or the science of activities designed
to give instruction 20: CLXXI–
CXC VII.

subject matter of 19: XII.

work in 18: XLIV *sq.*; 19: XXVII
sq.; 20: XXI *sqq.*; 23: XXXVIII
sqq.

Sopono, mention of 44: 35.

Soquet, Doctor —, excavation of shell
heap by 25: 86.

Sorcerers

practice of, among Algonquian tribes
7: 151, 152, 154.

See also Jugglers.

Sorceress 33: 622.

Sorcery

a common cause of death among
Indians 7: 39.

accusation of, against painters of
kateinas 21: 14.

among the Menomini 14: LIII.

among the Pacaxes 14: 514.

among the Siouan tribes 11: 416,
499, 511, 517.

Sorcery—Continued

- Awatobi men accused of 17: 603.
- fear inspired by 46: 528.
- in ball game, Tarahumare 24: 673 sq.
- in ball race, Zuñi 24: 693.
- in connection with bean shooter, Kwakiutl 24: 761.
- in racket 24:
 - Cherokee 576, 581, 588.
 - Chippewa 568.
 - Choctaw 603.
 - mention of 563.
 - Mohawk 591.

Iroquois 2:

- a cure for all bodily injuries 73.
- a superstition about flies 74.
- a "true" witch story 71.
- a witch in the shape of a dog 73.
- an incantation to bring rain 72.
- man who assumed the shape of a hog 73.
- origin of Seneca medicine 70.
- origin of witch and witch charms 69
- witch transformation 74.
- medicine practiced by 30: 40.
- Mohawk addicted to 24: 571.
- myths of the Iroquois concerning 2: 68, 75.
- part played by, in development of games 19: LXVIII sq.
- practices among the Iroquois 2: 68, 74.
- practices, Tuscorora names appertaining to 2: 68.
- the improper use of magic 47: 492.
- See also* Love Charms; Magic; Thaumaturgy; Witchcraft.

Sore-backed Horse. *See* Täyäkwoip.**Sores**, treatment of 42: 665.**Sorghum Vulgare Pers.**, Pima food plant 26: 74.**Sororate**

- avoidance of 40: 443.
- reference to 40: 344, 375, 441.

Sorrel

- sheep, mention of 33: 98.
- violet wood, mention of 33: 98.
- yellow wood, mention of 33: 98.

Sorrow-making Clan. *See* Tubic Clan.**Sortilegic Trephining**, definition of 16: 18.**Sosa, Gaspar Castoño de**

- on Galisteo 29: 482.
- on San Cristóbal 29: 486.
- on San Marcos 29: 551.
- on Santo Domingo 29: 449.

Soto. *See* Chouteau, Auguste.**Soto, Hernando de**

- account of meeting with Ortiz 14: 348.
- discoveries of 14: 370, 491.
- on Great Plains 14: 529.
- reputed route of 14: 545.
- right of, to Niza's discoveries 14: 371.
- soldiers of, hear of Coronado 14: 510.

Sotomayor, Christopher, early Spanish leader 25: 23, 36-39.**Sotomayor, Hernando de**, on effect of Niza's report 14: 366.**Sotomayor, Juan de**, on effect of Niza's report 14: 477.**Sotomayor, P. de**, chronicler of Cardenas' expedition 14: 490.**Soufriere Volcano**

- eruption of 34: 91, 92.
- mention of 34: 110.

Soul

- abode of 35: 727.
- abode of, after death 35: 714.
- among Tlingit, conception of 26: 430, 431, 434.
- among Tlingit, fate of 26: 460-463.
- beliefs concerning 11: 517; 40: 357, 358 sq.; 42: 510-515; 45: 183, 292, 383; 47: 138, 481 sqq.
- comes to sacrifice 35: 722.
- concept of 37: 316.
- descending kettle chain 37: 550.
- Eskimo belief concerning 18: 422.
- in Pima religion 26: 252 sq.
- invisible 35: 713.
- journey of, after death 42: 513.
- leaves body 35: 718, 724.
- leaves body at night 35: 715.
- like shadow 35: 728.
- like smoke 35: 728.
- meaning of term 21: 16.
- mention of 35: 708, 713, 730.
- of seal hunters 35: 715.
- out of place 35: 725.
- recovered by shaman 35: 718.

Soul—Continued

- restored to sick person 35: 722 *sq.*
- return of, to earth 42: 513.
- seat of, on the head 35: 715.
- sickness caused by absence of 42: 654, 666.
- similar to shadow 35: 717.
- size of 35: 724.

See also Ghosts; Immortality; Souls; Spirit World; Spirits.

Soul Cakes, mention of 9: 546.

Soule, Antonio. *See* Azul, Antonio.

Souls

- beliefs concerning 44: 255 *sq.*
- of animals 35: 1220.
- of trees 35: 1220.
- return of, to body 35: 1021.
- See also* Soul; and references given there.

Sound

- fish attracted by 38: § 187.
- spirits known by 30: 170, 176.

Sounding-Box attached to whistle 38: § 567.

Soup-drinking Feast 42: 555 *sq.*

Sour Dock 33: 77.

Sources of decorative motive in ceramic art 4: 453.

Souris River, mounds along 12: 35 *sqq.*

Sourwood in Cherokee myth and lore 19: 253, 320, 422, 469.

Sousa, J. P., acknowledgment to 14: 655.

South

- age of potter's art in the 20: 162.
- character of pipes of 20: 129, 140 *sq.*
- character of pottery of 20: 20, 22 *sq.*, 35, 145, 186 *sq.*
- myth of daughter of 19: 322.
- northward extension of peculiarities of 20: 144, 186 *sq.*
- occurrence of clay figurines in 20: 33.
- occurrence of colored ware in 20: 87.
- symbolism of, in Hako ceremony 22, ii: 42.

South Africa, petroglyphs in 10: 180-183.

South America

- archeological material from 25: 94 *sq.*
- groups of pottery in 20: 20.

South America—Continued

- hammocks from 25: 213.
- importance of research in 41: 104.
- Latin, kiáhâ net found in 26: 143.
- material from implements from 25: 92, 96.

mortuary customs of 25: 70, 195.

native houses of 25: 46.

petroglyphs in 4: 38; 10: 142-160.

pictographs in 25: 152.

pottery of 4: 411.

source of Antillean culture 25: 214.

tattooing in 10: 407.

use of pottery whistles and rattles in 20: 35.

See also Brazil; Cuba; Guiana Indians; Peru; Venezuela; and names of other South American countries and tribes.

South American Tribes

seats used by the 25: 204.

signs of the 1: 307.

South Appalachian Pottery

area covered by 20: 21, 104, 108, 130, 139, 144 *sq.*, 147 *sq.*

association of, with exotic ware 20: 137.

color of 20: 132.

decoration of 20: 80, 131, 133-136, 144.

examples of 20: 136-142.

forms of 20: 130 *sqq.*

materials of 20: 131 *sq.*

modern, relation of, to ancient ware 20: 142-145.

occurrence of, in Appalachee-Ohio province 20: 183.

occurrence of, in East Tennessee 20: 180.

occurrence of, in Gulf Coast province 20: 108, 109.

pipes 20: 45, 140 *sq.*

pottery resembling, Florida Peninsula 20: 117, 127.

pottery resembling, Gulf Coast 20: 108, 109, 110, 111.

pottery resembling, Middle Atlantic Coast 20: 149.

relation of Northwestern pottery to 20: 183, 189, 194.

size of 20: 132.

uses of 20: 38, 132 *sq.*

varieties of 20: 130 *sqq.*

South Appalachian Province

- exotic wares of 20: 132, 137 *sq.*
- extension of northern ware into 20: 145.
- extent of 20: 130.
- intermingling of wares in 20: 137 *sqq.*
- occurrence of engravings of human heads on shell in 20: 138.
- See also* **South Appalachian Pottery.**

South Canadian River, mention of 42: 491.**South Carolina**

- aboriginal steatite quarrying in 15: 106.
 - archives of 30: 18.
 - cession of East Cherokee lands in 19: 97.
 - character of pottery of 20: 147.
 - Cherokee relations with 19: 31-35.
 - chipped flints from 13: 146, 147, 148.
 - coastward extension of South Appalachian ware in 20: 139.
 - discoidal stone from 13: 106.
 - distribution of stone art in 13: 61.
 - endeavors of, to extinguish Cherokee title 5: 204, 205.
 - expedition from, in 1776 19: 49 *sq.*
 - explorations in 11: xxv; 12: 326.
 - first settlement in 19: 31.
 - Indian policy of 18: 630-634.
 - intermingling of northern and South Appalachian ware in 20: 148.
 - Kershaw district, mounds in 12: 317-326.
 - local legends of 19: 411 *sq.*
 - modern pottery making in 20: 55.
 - paint stones from 13: 115.
 - prevalence of stamped ware in 20: 135.
 - production of gold in 19: 221.
 - researches in 30: 11.
 - stemless perforators from 13: 165.
 - stemmed flints from 13: 151, 152, 153, 154, 156, 157, 158, 159, 160, 162, 163.
 - stemmed perforators from 13: 168.
- South Carolina Tribes**
- source of information regarding 42: 679.
 - war color of 10: 632.
 - See also* **Carolina Indians.**

South Dakota

- boulder circles in 12: 39.
- boulder figurines in 12: 40.
- explorations in 11: xxv.
- Medicine Butte, boulder figures on 12: 39.
- military posts, etc., in 17: 386.
- mounds in 12: 38 *sq.*
- petroglyphs in 10: 114.
- researches in 27: 72, 73, 85, 102.
- Sioux Falls, antiquities near 12: 38.
- Snake Butte, boulder figures from 12: 39.
- village site of 12: 41.

South Doctor, *among Pima*

- in mythology 26: 209, 210, 211, 212, 248, 259 *sq.*
- in song 26: 275.

South Fork. *See* **Hoopa Valley Reserve.****South Fork of Potomac River**, pottery from 20: 164.**South Island Eskimo**, mention of 46: 230.**South Magician** in Pima religion 26: 251.**South Mountains**, rhyolite deposits in 15: 29, 74.**South River**, implement caches on 15: 79.**South Road**, a buffalo trail 42: 741.**South Sea Islanders**

- masks of the 3: 98-103.
- mnemonic devices of the 10: 224.
- trephining among the 16: 17, 18, 69, 70.

South Wind

- characterization of 37: 440.
- offering to 37: 429, 430, 449, 463, 467, 505.

Southampton Island Crania

- basiofacial diameters 46: 280 *sqq.*
- dental arch 46: 276.
- facial 46: 266.
- facial angles 46: 285.
- means 46: 286.
- mention of 46: 257, 260, 262, 263, 357.
- nose 46: 268, 270.
- orbits 46: 274.
- skulls of children 46: 297.

Southeast, early literature dealing with 42: 678 *sqq.*

- Southeastern Culture**
 evolution of 42: 724 *sqq.*
 former northward extension of 42: 726.
- Southern Caddoan Group**, mention of 7: 113.
- Southern Cheyenne**, researches among 27: 8.
- Southern Confederacy** and the Cherokee 5: 326-333, 343.
- Southern Cross**, legend concerning 30: 261.
- Southern Indians**, urn burial among the 1: 137.
- Southern Killamuks**
 mention of 7: 134.
See also Yakwina.
- Southern Pacific Railroad** 26: 56.
- Southern Paiute**, numbers of 19: 923, 929.
- Southern Pima**, references to 28: 70, 152.
- Southern Section**, districts of 12: 586-593.
- Southern Tiwa Indians**
 early homes of 29: 524 *sq.*
 important pueblo 29: 528, 530.
- Southey, R.**
 cited on French prophets 14: 939.
 cited on Methodists 14: 941.
- Southwest**
 bean-shooter in the 24: 760.
 character of tobacco pipes of 20: 98.
 stone balls found in the 24: 667.
See also Pueblo; and names of tribes.
- Southwest Point, Tenn.**
 erection of fort at 42: 841, 845.
 importance of fort at 42: 842.
 now Kingston 42: 836.
- Southwest Society of Archeological Institute of America**, permit granted 27: 11.
- Southwestern Tribes**
 ball race of the 24: 665.
See also names of different tribes.
- Southworth, —**, purchase of land by 18: 607.
- Southworth, J. R.**, on concession for exploration of Tiburon 17: 122.
- So'wăniă**, a Cheyenne synonym 14: 1025.
- Sowersby, Miss Ora A.**
 appointment of 38: p. 21.
 work of 38: p. 18; 39: 24, 28.
- Sowheag**, account of 18: 613.
- Sowi Clan**, association of, with Piba clan 19: 601.
- Sowing**
 wild rice 19: 1057.
 wild rice, early Ojibwa traditions of 19: 1057 *sq.*
- Sowinwû**
 derivation of 21: 125.
 description of 21: 103 *sq.*
 similarity of symbolism of, to that of Teüb 21: 103.
- Sowwani'u**, the Algonquian spirit world 14: 982.
- Soyal Kacina**. *See* Ahülani; Soyaluñä,
- Soyal Manas**
 appearance of, in Soyaluñä 21: 121.
 derivation of 21: 124.
 relation of, to clan 21: 45.
See also Soyaluñä,
- Soyaluñä**
 appearance of Ahülani in 21: 121.
 celebration of advent of rain-cloud kateinas in 21: 57.
 ceremony, description of 15: 260, 268.
 description of 21: 21, 24, 25.
 duration of 21: 20.
 images of war gods displayed in 21: 25, 26.
 modifications in, corresponding to celebration of Flute or Snake dance 21: 21.
 or Winter solstice ceremony 19: 596.
 purpose of 21: 16.
 variation in 21: 19.
- Soyan ep**
 appearance of, in Palülükoñti 21: 52.
 derivation of 21: 125.
 description of 21: 85.
- Soyennom**, mention of, by Lewis and Clark 14: 745.
- Soyohim Kacinas**, description of pictures of 21: 98-106.
- Soyok**, derivation of the name 21: 71.

Soyok Mana

- derivation of 21: 125.
 personation of, at Walpi 21: 74.
See also Natacka Mana.

Soyok Taka

- correspondence of, with Natacka 21: 74.
 derivation of 21: 125.
 personation of, at Walpi 21: 74.

Soyok Wüqti

- derivation of 21: 71.
 participation in Powamû festival by 21: 39, 67.

See also Natacka Wüqti

Soyoko

- description of 21: 70, 71.
See also Natackas.

Soyoko Group, Teabaiyo reference to

21: 75.

Soyol Katcina. *See Ahülani.***Soyol Manas, appearance of, in Soyaluña**

21: 24.

Soyowa

- derivation of 21: 125.
See also Sio.

Space, discussion of

19: LV sq.

Spades

- burial of, with the dead 44: 44S, 449, 454, 455, 456, 457, 458.
 described and figured 13: 133.
 for digging 38: § 228.
 for digging lily-bulbs 35: 144.

Spaghnum, use of

44: 293, 378.

Spain

- claim to land south of Cumberland River by 19: 67.
 petroglyphs in 10: 177 sq.
 retention of posts in south by (1790) 19: 68.
 surrender of southern posts by 19: 81.
 treaty with, in 1795 19: 81.
See also Spaniards; Spanish.

Spainhour, Dr. J. Mason

- assistance of, in exploring mounds 12: 334.
 curious burial described by 1: 120.
 opening of North Carolina mounds by 5: 61, 73.

Spanalgee, identification of, as Isfan-älgí

42: 120.

Spaniards

- attitude of Antilleans toward 25: 31, 34, 81.

Spaniards—Continued

attitude of Borinquenios toward 25: 36-40.

ceremonial use of colors by 10: 629.

Cherokee feeling toward 19: 282.

contact of, with Pima 26: 26-29.

corn mill introduced by 25: 106.

early visit of, to Tusayan 8: 21, 32

encouragement of Indian hostility by 19: 62 sq., 64, 67 sq., 76, 88.

figures of, in conquest play 25: 248.

greed for gold of 25: 211 sq.

in Southern United States 19: 191-202.

Indian regard for the 14: 676.

influence of, on removal of old Walpi 19: 580 sq.

intermixture of, with ancient Porto Ricans 25: 25.

legends concerning 19: 408.

mealing stones introduced by 25: 106.

Omaha name for the 27: 612.

period of exploration by 19: 23-29.

possible influence of, on southern burial practices 20: 120.

relations of, with the Acoma 47: 23-28.

relations of, with the Caddo 14: 1094.

relations of, with the Indians 19: 98, 99, 100, 101.

slavery inaugurated by 25: 23 sq.

Tewa name for 29: 575.

use made by, of aboriginal trails 42: 828 sq.

use of goschis in famines 25: 50.

where they first found Walpi 15: 580.

Zuñi invaded by 30: 35.

See also Spain; Spanish.

Spanish

and Brazilian petroglyphs 10: 692.

and Zuñi history 13: 326.

authority, effect of, upon purity of Zuñi kiva type 8: 112.

beams in Tusayan kivas 8: 119, 123, 124, 125, 126.

blankets introduced among Dakotas 4: 121.

churches at Pueblos, Hawikuk 8: 81, 82, 138.

Spanish—Continued

- early explorers, reference to 28: 186.
 influence in cliff-dwelling masonry 16: 197.
 influence in Zuñi and Tusayan 8: 169, 180, 196, 213, 224.
 influence on place names 29: 96 *sq.*
 influence on the Zuñi 13: 331-341, 366.
 influence, references to 27: 67, 81, 114.
 missionaries, efforts of, to reach Hopi 28: 207.
 missions established in Tusayan 8: 22.
 monks in Canyon de Chelly 16: 191.
 objects found at Awatobi 17: 606, 623, 631.
 objects unknown to early Tusayan 17: 741.
 origin of Tukabahchee plates 42: 66.
 padres, influence of, on Hopi 19: 581 *sq.*
 policy toward Indians 18: 539-545.
 saddles used in mask making 15: 263.
 sheep introduced by 16: 162.
 title to lands in America, basis of 18: 528.
 ware, Florida Peninsula 20: 120, 129 *sq.*
 writers as source of information on the southeast 42: 678, 679, 680.
See also Spain; Spaniards.
- Spanish Bayonet** 33: 71.
Spanish (?) Clan, native names for 42: 116.
Spanish Fork Reserve, sale of 18: 830.
Spanish Fork Uta, act of Congress affecting 18: 892.
Spanish Gens, chiefs selected from 44: 192.
Spanish Moss, garments of 42: 683.
Spanish Moss (?) Clan, native name for 42: 116.
Spanish Needles
 in Cherokee lore 19: 426.
 mention of 33: 66.
Spanish Phratry, clans of 44: 192.
Spanptsan Indians, mention of 41: 144.

Sparrow, Cherokee name for 19: 281.

Sparrow Name, Kwakiutl 35: 949.

Sparrow Society

- canes of the 35: 1154, 1156.
 chief of the 35: 728, 1153 *sq.*
 mention of 35: 560, 905, 909, 911, 921, 936, 952, 997, 1150, 1151, 1152, 1161.

Spartina Michauxiana 33: 66.

Spatterdock, use of 45: 460.

Spattering, pottery decorated by 17: 650, 668, 671, 677.

Spatulate Type of club 38: § 151.

Spawn. *See Dog Salmon; Herring; Salmon; Silver Salmon; Sock-eye Salmon.*

Speak, signs for 1: 345, 373.

Speaker of Chief 35: 460.

Speaker of House 35: 342.

Speakers 35: 753, 757, 765, 771, 787, 788, 899, 956, 1003.

Speakers, Chief, office of 42: 329.

Speakers' Dance 35: 898, 1085, 1148.

Speaking

- in public 46: 526.
 objection to 30: 240, 241.
See also Speech; Speeches.

Speaking Posts 35: 785, 805, 840, 945.

Spear-and-Kelp Game, Kwakiutl 24: 521.

Spear-Finger. *See U'tluñ'ta.*

Spear Guards, Eskimo 18: 226 *sqq.*

Spear Men, an Arapaho warrior order 14: 988.

Spear-points

- burial of sherds resembling, Florida Peninsula 20: 119.

Casa Grande, reference to 28: 130.

ivory 46: 46, 60, 63, 67, 88.

See also Points; Spearheads.

Spear-thrower. *See Estolica.*

Spearheads

- copper, on Menomini reserve 14: 36, 37.

description of 44: 94-97.

distribution of 15: 142.

Eskimo 18: 147-150.

of ivory 46: 170.

of slate 46: 99.

stone, Eskimo method of making 18: 91.

types of 37: 88.

Spearheads—Continued

what constitutes 15: 83.

See also Arrowheads; Fossil Ivory; Ivory; Projectile Points; Stone.

Spearing Game, Pomo 24: 550.

Spearmint, medicinal use of 43: 265.

Spears, Miss Julia Warren, information furnished by 44: 392.

Spears

distribution of 27: 448.

Eskimo 18: 135-140, 151 *sq.*, 194 *sq.*

Eskimo, for fishing 9: 286 *sq.*

Eskimo, length of 18: 153 *sq.*

for flounders 35: 157.

for sea-eggs 35: 154.

harpoon 38: § 148.

mention of 38: § 147.

Omaha 13: 284.

primitive 11: 238, 314.

rattle 38: § 573.

shower of 32: 205.

use of 45: 105, 242.

See also Spear-points; Spear-heads; Spearshafts.

Spearshafts, tools used by Eskimo in making 18: 85.

Special Comparisons 10: 676-744.

Special Researches of the Bureau 25: xix *sqq.*; and *passim*.

Specialization Areas in Eastern United States pottery 20: 21 *sqq.*

Specialized Blades, discussion of 15: 84.

Specific Gravity

of Eastern United States pottery 20: 117, 121.

See also Weight.

Specimens

collected from Arizona Pueblo ruins, number and general character of 22, i: 18.

found at Casa Grande 15: 330 *sqq.*

Speck, Dr. Frank G.

acknowledgment to 28: 290; 29: 13; 42: 33.

contributor to Bureau 48: 1189.

information obtained by 44: 191.

information from 42: 216.

manuscript purchased from 41: 16.

material of 28: 275.

paper by 44: 15.

Pishofa dances described by 44: 258 *sq.*

Speck, Dr. Frank G.—Continued

reference to paper by 44: 173.

work of 26: xxii; 27: 9 (given as Frank J. Speck).

Speck, Frank J. *See* Speck, F. G., *work of.*

Spectacle-pod, use of, in medicine 30: 48.

Speech

differentiation of parts of 1: 8.

impairment, in vengeance 30: 359 *sq.*

may be specially intoned 38: § 916.

signs for 1: 345, 373.

text of, with translation 42: 611-614.

welcome 38: § 813.

wooing 35: 1052, 1065.

Speeches

after last song 40: 533.

at adoption feast 40: 397.

at funeral 37: 149 *sqq.*

at general council 42: 311-314.

at scalp dance 46: 558.

at wake 37: 141-144.

at War-bundle feast 37: 471-481, 487-501.

by members of Thunderbird clan 37: 320 *sq.*

by warrior at dance 40: 513.

by warrior at grave 40: 381.

delivered in feasts 35: 788-793.

made by Assiniboin chief 46: 438 *sq.*

made by old men 40: 273.

of acceptance 37: 364.

of admonition 37: 364.

of Crazy Bear 46: 597 *sqq.*

of Le Chef du Tonerre 46: 600 *sqq.*

of presentation 37: 364.

of the busk 42: 610 *sq.*

of the Medicine dance 37: 363.

over graves 40: 393, 395, 401, 409 *sqq.*

of welcome 37: 364.

Pima, Elder Brother on restoring himself to life 26: 339-346.

Pima, general description of 26: 339.

Pima, going to war 26: 353-362.

Pima, on warpath 26: 201, 363-389.

Pima, opening of rain ceremony 26: 347-352.

Speeches—Continued

to deceased at funeral 37: 147, 148.

to dog before sacrifice 37: 428.

types of, at War-bundle feast 37: 432.

See also Oratory; Speaking; Speech.

Speke, John H., cited on African customs 9: 488, 494, 514, 515, 560.

Spelling Pronunciations, reference to 40: 28, 295.

Spence, George, translations by 41: 16.

Spence. *See* Espence.

Spencer, Charles, cited on Indian medicine-men 9: 458.

Spencer, Herbert

on ancient German priests 9: 463.

on Australian intermarrying groups 19: 836.

on Indian customs 9: 492.

on Indian medicine-men 9: 455, 457, 458, 459, 461, 467, 468, 472.

on primitive marriage 17: 284*, 285*.

on the relativity of pains and pleasures 20: CLXI.

Spencer, J. W.

on Indian burial customs 5: 21.

on partial surface burial 1: 140.

Spencerville, Ontario, Iroquoian pottery found at 20: 170.

Spence's Bridge Band

basketry of 41: 431-434, 455 sq.

territory of 45: 447.

trade in, of baskets 41: 156, 157.

Spengel, J. W. 46: 372.

Spenser, Edmund, allegory in poetry of 19: xc.

Spermophilus Canescens, squirrel of Pimería 26: 81.

Sphaeralcea angustifolia, Pima medicinal plant 26: 79.

Spheno-temporal Region, full, in Eskimo 46: 241, 358.

Spherical Stones from Pueblo Viejo ruins, description of 22: i, 183.

Sphynx Moth, story about 42: 363 sqq.

Spicer, J. O.

acknowledgment to 6: 409.

cited 6: 489, 511, 587, 588, 611.

Spicewood, medicinal use of 42: 657; 43: 265.

Spider

a life symbol 36: 102.

a man-being in Iroquoian cosmology 21: 315.

belief concerning 45: 394.

characteristics that attract the savages 2: 286.

deity of the Sia 11: 26.

design engraved upon shell gorgets 2: 286, 289.

embodiment of spirit of earth as 21: 16.

examples of, on shell gorgets 2: 286.

figure of, on bowl from Homolobi 22, i: 81, 82.

importance of, in Pueblo mythology 22, i: 81.

in art 2: 286.

in Pima legend 28: 46.

in Pima mythology 26: 207, 228, 237, 247, 350, 364-367.

in Pima song 26: 284, 309, 338.

myths and lore concerning 2: 286; 19: 241 sq., 309.

string figure of 38: § 702.

See also Spider's Web; Water Spider.

Spider-bean 33: 89.

Spider Clan 21: 111.

Spider, Great, called to assistance of boy 32: 130, 426.

Spider Lily 33: 70.

Spider People, settlement of, in Tusayan 8: 27.

Spider Society, organization of the 11: 69.

Spider Spring, ceremonial trip to, of war chief 47: 46.

Spider Woman

legends concerning 22, i: 81, 82.

Navaho myth of 8: 284.

of the Hopi 15: 312.

See also Zuñi, mythology of.

Spider Women in Hopi mythology 16: 303.

Spider's Web

legends concerning 30: 212, 342.

medicinal use of 43: 266.

used to defeat opponent in ball game 32: 449.

Spiderwort 33: 70.

Spigelia Anthelmintica, medicinal
use of 42: 669.

Spikenard

medicinal use of 43: 265, 266.

use of 44: 287.

See also **Aralea Racemosa**.

Spinden, Dr. H. J.

acknowledgment to 29: 38.

on Acoma 29: 542.

on Arroyo Hondo Creek 29: 176.

on Cochiti 29: 438, 440.

on Embudo Canyon 29: 187.

on Fernandez Creek 29: 184.

on Galisteo Creek 29: 478.

on hill near Cochiti 29: 454.

on Huash-pa Tzen-a 29: 453.

on Isleta 29: 528.

on Jemez 29: 400, 401.

on Jemez Creek 29: 399.

on Jicarita Mountain 29: 339.

on Kaket'hóa 29: 195.

on La Hoya 29: 197.

on Laguna 29: 539, 540.

on Matsoita 29: 359.

on Ojo Caliente Creek 29: 159.

on Ojo Caliente region 29: 165.

on "old castle" 29: 194.

on Pecos 29: 473.

on Peñasco Creek 29: 191.

on Picuris 29: 192, 193.

on Picuris mountains 29: 194.

on Piro 29: 575.

on Poikethá 29: 195.

on Pojoaque 29: 335.

on Ranchos de Taos 29: 186.

on Rinconado 29: 189.

on Rio Chiquito 29: 343.

on Rio Grande 29: 100.

on San Cristóbal 29: 488.

on San Felipe 29: 498, 499.

on San Felipe Mesa 29: 497.

on San Juan 29: 212.

on Sandia 29: 525, 526.

on Sandia Mountain 29: 513.

on Santa Ana 29: 520.

on Santa Clara 29: 241, 242.

on Santa Cruz Creek 29: 251.

on Santo Domingo 29: 448.

on Taos 29: 181.

on Tesuque 29: 388.

on Tewa 29: 576.

on trail from Taos to Picuris 29: 195.

on Wenta'ta 29: 196.

Spinden, Dr. H. J.—Continued

reference to 29: 574.

See also **Will and Spinden**.

Spindle

form of 30: 77.

mention of 38: § 34.

sockets, probable use of cupped

stones as 13: 92.

Spindle Whorls

as evidence of textile manufacture

13: 11.

Casa Grande, description of 28:

136.

clay, Eastern United States 20: 33,

43.

disk probably used as, Iroquoian

province 20: 170.

of Chiriqui 6: 149, 150.

Spines. *See* **Nodes**.

Spink, R. C.

material collected by 24: 203.

on stick game, Modoc 24: 293.

Spinks, Dr. W. H.

pottery fragment collected by 47:

13.

toys collected by 48: 20.

Spinner for making sinew cord 18:

111.

Spinning

among the Cherokee 19: 82, 101,
105, 214.

among the East Cherokee 19: 176.

among the Pima 26: 148 sq.

among the Southern Indians 20: 33.

development of 13: 21.

Indian method of 13: 23.

of dog's hair 35: 1318.

Spinosa

Antillean words collected by 25: 77.

See also **Espinosa**.

Spinosa Valley. *See* **Valley, Spinosa**.

Spiraea Pyramidata 45: 471, 494.

Spiraea, Rock, use of 45: 497, 499.

Spiral

design in Pima basketry 26: 136,
140.

design on pottery from Pueblo ruins,
cuts showing 22, i: 151.

ornament from coils 4: 456.

pattern feather fixation on arrows
38: § 132.

Spirals, use of, in pottery painting,
Eastern United States 20: 67.

Spirit

- absence of concept of 11: 365, 371, 423, 431, 501, 521.
- attributed to inanimate objects 47: 483.
- belief in 11: 194, 272, 333, 342, 374, 475, 507, 542.
- Pawnee belief concerning 22, ii: 52.
- Pawnee conception of 22, ii: 290.
- use of the term 15: 253.

See also **Great Spirit; Spirits.**

Spirit Dance of the Apache 9: 582 *sq.*, 585 *sq.*

Spirit, Evil, misfortunes caused by 42: 485.

Spirit Folk of the Cherokee 19: 475 *sq.*

Spirit House, incantations performed in 30: 334, 335.

Spirit Medicine, use of 42: 661.

Spirit of Fire

- a Chickasaw deity 44: 248.
- belief in 42: 483 *sq.*
- feeding of 35: 774.
- first fruit offering to 42: 595.
- mention of 35: 705, 1209, 1331 *sq.*
- reference to 40: 71, 87, 109, 127, 364, 397, 473, 502, 513.

Spirit-of-his-Feet, Tlingit 26: 465.

Spirit of War Disease, symptoms and treatment of 42: 650.

Spirit of Wood 35: 733.

Spirit-put-on, Tlingit 26: 465.

Spirit Road, recognition of 30: 126, 177.

Spirit Songs 39: 103-106; 45: 596-599.

Spirit World

- conception of 42: 514.
- location of 14: 982, 983.

See also **Immortality; Soul.**

Spiritism, definition of 1: 35, 36.

Spirits

- animal, propitiated by dances 42: 549.
- anthropomorphic, belief in 30: 149, 161 *sq.*
- bad, conception of 42: 510, 511.
- belief in 44: 256.
- brought into relation with man 37: 310 *sq.*
- characterization of 37: 436 *sq.*

95719°—33—63

Spirits—Continued

- concept of nature of 37: 147, 283-288.
- corporeality of 37: 284.
- cure by 35: 736.
- dance of the 42: 629.
- Eskimo beliefs concerning 18: 394, 422.
- Eskimo masks to represent 18: 394.
- evil, exorcism of 44: 269.
- frightened by fire-brands 35: 614.
- frightened by painted face 35: 615.
- good, conception of 42: 510 *sq.*
- house of 35: 1119 *sq.*
- in Tlingit conception 26: 451 *sq.*, 460.
- in Tlingit conception, evil spirits 26: 436.
- in Tlingit conception, in control of medicine-men 26: 464 *sq.*
- indefinite number of 37: 284.
- of the cardinal points 37: 168.
- offerings to 37: 319, 429, 438.
- place of, in Iroquois myth 2: 53.
- power of localization of 37: 288 *sq.*
- prayer to 37: 469.
- primitive belief in existence of, after death 21: 15, 16.
- relation of, with man 37: 289.
- village of 35: 1119.

See also **Ghosts; Guardian Spirits; Magic; Religion; Shades; Soul; Spirit; etc.; Spirits of the Body; etc.; Supernatural Beings.**

Spirits of the Body

- abiding place of 30: 266.
 - cult of 30: 137-140.
 - exorcism of 30: 149, 163 *sq.*, 168.
 - fear of 30: 155 *sq.*, 159 *sq.*, 182, 197.
 - future life of 30: 160-163, 175, 266.
 - goodness or badness of 30: 149, 162 *sq.*
 - immortality of 30: 149, 154.
 - invocation of 30: 167 *sq.*, 192.
 - nature of 30: 149, 152 *sq.*
 - propitiation of 30: 149, 155 *sq.*, 163 *sq.*, 270.
 - recognition of 30: 176 *sq.*
 - references to 30: 239 *sq.*, 263.
 - remaining of, in grave 30: 149.
 - transformation of 30: 158, 175.
- See also* **Spirits.**

Spirits of the Dead, Guiana Indian 38: § 840.

- Spirits, "Water-air,"** in Tewa belief 29: 151.
- Spiritualism, primitive** 11: 497.
- Spirituality among the Indians** 14: 39, 66.
- Spirogyra** 33: 61.
- Spirogyra sp.** 45: 515.
- Spits**
for eating 35: 492, 503.
for killing wolves, Eskimo 18: 121.
for roasting 35: 482.
- Spitting**
at anything offensive 38: § 935.
on a corpse 38: § 864.
See also Spittle.
- Spittle**
in Cipaulovi Snake dance 16: 285.
meaning of ejecting, at Snake dance 19: 976.
rubbed on body to effect cure 32: 403, 438.
rubbed on body to restore flesh 32: 381, 383, 386, 387.
spirit residing in 30: 152, 182.
use of, in medicine 30: 62, 63.
See also Spitting.
- Splash-stone** described and figured 8: 155, 156.
- Splayed Openings** in Ketchipauan church 8: 82.
- Spleen, enlarged, remedy used for** 42: 662.
- Splices** used by Eskimo in repair work 18: 227 sq.
- Splints**
coiled and sewing 41: 150 sqq.
introduction of 41: 161.
moistening of 41: 163.
number of, for coils 41: 161 sq.
- Split Rock Site, exploration of** 41: 65 sq.
- Spofford, A. R., acknowledgments to** 14: 655; 18: XLVI.
- Spoiled-Saddle Blanket.** *See* Taká-i-Bodal.
- Spoils of War** 38: § 766.
- Spokan Indian or Tribe**
basketry of 41: 141, 154, 155.
caps worn by the 41: 354.
characteristics of the 45: 325.
chiefs of the 45: 378.
country occupied by the 45: 313 sq.
derivation of the name 45: 296.
- Spokan Indian or Tribe—Contd.**
dialect of the 45: 303.
divisions of the 45: 313.
habitat of the 45: 309.
habitat of the, in about 1896 14: 805.
Indian names for 45: 297, 298, 299.
intercourse of, with other tribes 45: 323.
land cessions and reservations 18: 856, 858, 902, 918, 944.
location of the 45: 37.
name of, in sign language 45: 145.
population of, in 1805 45: 314.
possible ancestry of 45: 215.
present-day population of 45: 215.
rims of baskets of 41: 142.
sketch of the 14: 732.
wars of, with Coeur d'Alène 45: 119 sqq.
- Spokane.** *See* Spokan Indian.
- Spoke-Oak, Micco, plate transported by** 42: 505.
- Spokihmish, a Spokan synonym** 14: 732.
- Spokogi.** *See* Ispokogi.
- Spokomish, a Spokan synonym** 14: 732.
- Spondias Lutea.** *See* Hog Plum.
- Sponge**
ashes, use of, as tempering material, eastern United States 20: 46.
use of, as jacal covering 17: 222*.
- Spool**
flattened 38: § 471.
knobbed 38: § 466.
made of stone, Arkansas 12: 225.
- Spool-shaped Ornaments** 13: 125.
- Spoollike Objects**
Eastern United States pottery 20: 43 sq.
Florida Peninsula pottery 20: 124.
Middle Mississippi Valley pottery 20: 83.
Ohio Valley pottery 20: 184.
- Spoon**
basketry, coils of 41: 165.
basketry, construction of 41: 209 sq.
basketry, terms for 41: 397.
Cherokee use of, in shaping vessels 20: 56.
pewter, recovery of, from mound 44: 166.

Spoon—Continued

stirring paddle 38: § 378.

See also Paddles; Spoons.

Spoon-Baskets 35: 238, 756.

Spoons

as marriage gifts 35: 777, 890, 891.

collection of Indian 3: 560, 575.

material used for 42: 689.

mention of 35: 330, 345, 349, 358, 368, 407.

of horn 35: 570.

of horn, making of 35: 102-108.

of shell, deposited with the dead 2: 199.

of shell, examples of 2: 198.

of shell, manufacture of 2: 198.

of the Eskimo 9: 104; 18: 65-70.

of the Nenenot 11: 302, 306.

of the Omaha 13: 277.

of Unio shell 2: 198, 201.

Sikyatki, description of 17: 655.

tools used in making, by Eskimo 18: 89.

See also Pottery; Spoon.

Sporobolus Wrightii 26: 116.

Sports

amusements, games 38: p. 470-550 (Chs. XXIII, XXIV).

athletic 45: 134.

discussion of 19: LXIII-LXVIII.

of the Eskimo children 9: 383 *sqq.*

See also Athletic Sports; Games; and names of various games and sports.

Spots, decorative use of, in pictures of Hopi kateinas 21: 76, 103.

Spotswood, Alexander, treaty concluded by 18: 568 *sq.*

Spotted Arm's Village, location of 37: 51.

Spotted Coyote, leader in Indian war 45: 371.

Spotted Horse

an Arapaho chief 14: 956.

on the Sioux outbreak 14: 839.

on the Wounded Knee massacre 14: 885.

Spotted Tail, a Dakota chief 15: 190.

Sprague, Senator Peleg

policy toward Cherokee denounced by 5: 288.

speech by, on Georgia's laws affecting Cherokee 19: 118.

Sprague River, treaty of 18: 836.

Sprains, treatment for 42: 660.

Spray, H. W.

acknowledgment to 19: 13.

East Cherokee teacher and agent 19: 176, 180.

Spread Leg. *See* Azul, Antonio.

Spreaders used with Eskimo bird nets 18: 132.

Spreading Adder, myths and lore concerning 19: 252, 253, 297, 436, 438.

Spring

claim of 'Hle'wekwe in regard to 23: 456.

inhabited by a monster 32: 521.

member of party visiting, costume of 23: 455.

sacred, use of water from, by Hopi kateinas 21: 76.

See also Springs.

Spring Basket for fish 38: § 200, 205.

Spring Beauty

myth concerning 45: 511.

use of, as food 45: 482.

Spring Canyon, ruins at 33: 165.

Spring Hook 38: § 195-199.

Spring Lily 33: 71.

Spring Place, establishment of mission at 19: 107.

Spring Traps of the Eskimo 18: 122 *sq.*

Springer, E. L.

assistance of 38: p. 18.

work of 36: 31; 37: 28.

Springerville, Ariz., pottery at 4: 279, 291, 305, 353.

Springerville, N. Mex., ruins at 13: 202.

Springfield, Col. W. W.

acknowledgment to 19: 13.

on East Cherokee in Civil War 19: 169 *sq.*

took party of East Cherokee to Confederate reunion 19: 170.

Springs

belief concerning 47: 644.

ceremonial visit to, by war chiefs 47: 46, 50.

Cherokee belief concerning 41: 603.

importance of, in Hopi settlement ceremonials 19: 592.

Springs—Continued

- inhabitants of 47: 716.
- of Burton Mound 44: 59, 61, 69 sq.
- principal, in Tewa country 29: 202 sq., 310 sq., 325, 367, 374, 404, 407, 548.
- pueblos generally located near 22, i: 55 note.
- Zuñi prayer sticks planted at 47: 712.
- Zuñi sacred, list of 47: 717.
- See also* Hot Springs; Medicinal Springs; Mineral Springs; Spring; Sulphur Springs.

Springstone, —, on Nancy Ward 19: 204.

Sproat, G. M

- cited 4: 67.
- name Aht suggested by, for Wakashan family 7: 130.

Sprout, Maple. *See* Tharonhia-wakon.

Sprouting Seeds, symbolic use of, in pictures of Hopi kateinas 21: 19.

Spruce

- appearance of, in Hopi kateinas 21: 89, 121.
- beverage made from 44: 317.
- Eskimo implements and utensils made of 18: 65 sq., 70, 71, 90, 99, 138, 184, 185, 187, 288.
- Eskimo musical instruments made of 18: 350, 351.
- Eskimo transportation apparatus made of 18: 209.
- in Tusayan ceremony 15: 271, 297.
- influence of, on basket making 41: 144.
- medicinal use of 45: 475.
- symbolism of 15: 288, 301; 47: 872.
- use of 41: 145; 44: 291, 317, 377.
- use of, for food 45: 483.
- white, use of 44: 291, 362

Spruce Beer, effect of, on the Nenenot 11: 304.

Spruce Gatherers, singing and joking of 47: 321 sqq.

Spruce Gum, Eskimo ornaments made of 18: 53.

Spruce Island, mention of 46: 185.

Spruce Root

- Eskimo implements and utensils made of 18: 66, 72, 85, 86, 97, 100, 110, 113, 131, 133, 137, 147,

Spruce Root—Continued

- Eskimo implements and utensils made of—continued 148, 156, 167, 180, 184, 185, 187, 191, 193.
- Eskimo manufactures of 18: 205.
- Eskimo toys made of 18: 346.
- Eskimo transportation apparatus made of 18: 223.
- Kwakiutl use of 35: 107, 111, 116, 118.
- Spruce Tree**, twisting of, as trial of strength 35: 1125.
- Spruce-tree House** collection from 30: 22.
- repair of 30: 30.
- work on 29: 16 sq.
- Spruce-tree Order of the Zuñi** 23: 515-521.

Spuds described and figured 13: 109.

Spurge

- origin of name 30: 51.
- use of 45: 462, 470.
- use of, for sweetening 30: 67 sq.
- use of, in medicine 30: 51.

Spurs on Eskimo spearpoints, use of 18: 147, 148 sq.

Spuzzem Band

- basketry of 41: 144 sq., 166, 236, 446-452.
- dyeing of 41: 147.

Squalus acanthias. *See* Dog-fish.

Squamish Indians, basketry of 41: 133, 184, 211.

Squannaroos, a Skwa'nānā synonym 14: 736.

Square

- as an element in design 41: 248 sqq.
- interpretation of 41: 321 sqq.

Square Ground

- arrangement of 42: 205-235.
- description of 42: 175 sq., 181-188.
- location of 42: 171.
- of Atasi, description of 42: 183 sqq.
- Seminole 42: 232-235, 241.
- See also* Town Square.

Square-rimmed Vessels, attachment of modeled ornaments to, Iroquoian province 20: 172.

Square Stem 33: 132.

Square Tower House, work done on 41: 4 sq.

Squash

- a female man-being in Iroquoian cosmology 21: 174.

Squash—Continued

- appearance of, in pictures of Hopi kateinas 21: 65, 78, 97, 107.
- article of trade, Pima 26: 94.
- black, a life symbol 36: 136.
- blossom of, appearance of, in pictures of Hopi kateinas 21: 63, 82, 92, 97, 102, 103, 112, 116, 118, 119.
- blossoms, error regarding 30: 46.
- flower, emblem in Tusayan ceremony 15: 271, 286, 287.
- flower, symbolism of the 17: 661.
- food plant, Pima 26: 71, 77, 91.
- in song, Pima 26: 332, 333.
- indigenous to the Southwest 17: 621.
- magic growth of, Pima 26: 258.
- mention of 33: 118, 136.
- myth concerning 19: 471.
- preparation of 23: 368.
- probable place of origin of 33: 59.
- red, a life symbol 36: 136.
- seeds of, appearance of, in representations of Hopi kateinas 21: 64.
- speckled, a life symbol 36: 137.
- use of 44: 289, 307, 319.
- use of, as food 30: 66 *sq.*
- use of, in ceremonies 30: 88.
- use of, in medicine 30: 45 *sq.*, 50, 62.
- yellow, a life symbol 36: 137.

See also Gourd; Melon.

Squash Clan. *See* Patuñ Clan.**Squash Forms**

- occurrence of, Middle Mississippi Valley 20: 94.

See also Gourd Forms.

Squash Kateinas. *See* Patuñ.**Squash People**

- former inhabitants of Homolobi 22, i: 81, 82.

settlement in Tusayan of the 8: 25.

Squaw Currant, use of 45: 487.**Squaw Dance** 45: 388 *sq.***Squaw Grass**, use of, for imbricating 41: 146.**Squaw Mountain**, cavate dwellings near 17: 534.**Squawky Hill**, reservation at 18: 658.**Skawskin** land cessions and reservations 18: 798, 818, 854, 872.**Squaxin**

- in treaty of 1854 14: 751.
- leaders in Shaker religion 14: 746.

Squaxin—Continued

- membership of, in Shaker church 14: 759.

Squaxon, population of 7: 105.**Squeaking-Wings**, conversion of 37: 392.**Squeezer, Cassava** 38: § 345–355.**Squier, Ephraim George**

- burial mound examined by 12: 543.
- cited 12: 667.

cited as to Casa Grande 28: 53.

cited as to masks and their significance 3: 98, 104, 113, 151.

cited on origin of term “chunkey” 42: 189.

custom of placing stones over graves noticed by 12: 546.

defensive work mentioned by 12: 541.

exploration of Iroquoian province by 20: 159.

Inca skull collected by 16: 6, 12, 27.
on Cherokee myths 19: 436, 440, 442.

on Cherokee New-Fire ceremony 19: 502 *sq.*

on Chilili 29: 531.

on heavens in mythology 19: 431.

on Indian antiquities 5: 10.

on Jemez 29: 402.

on Nagranda numerals 19: 912.

on Tajique 29: 533.

on Taos 29: 183.

spider myths mentioned by 2: 286.
work by, cited 28: 64.

Squier, E. G., and Davis, E. H.

- cited 12: 146, 265, 479, 562, 564, 566, 569, 588, 602, 605, 625, 656, 704, 707; 15: xxiv.

classification of 12: 27.

description of shell beads by 2: 225.

illustrations of pottery from 20: 184, 193.

investigations of, in Ohio 12: 440.

on hoop and pole, Muskogee 24: 486 *sqq.*

on mounds 5: 12, 38, 45, 48.

on “sacred inclosures” 12: 605.

Squinahmish. *See* Dwamish.**Squirrel**, Caddo delegate to Wovoka 14: 903.**Squirrel**

- ceremony connected with 40: 41.
- destructive to Pima crops 26: 92.

Squirrel—Continued

- eaten by the Pima 26: 81.
- ground, carving of the 2: 128.
- in Menomini myth 14: 126, 132.
- myths concerning 11: 48, 328; 19: 251, 262 sq., 286 sq.
- nosebleed caused by 26: 263.
- red, belief concerning 41: 608.
- representation of, Florida mortuary pottery 20: 124.
- Seri taboo of 17: 203*.
- sign for 1: 321.
- skin of, Eskimo amulet made of 18: 435.
- special connection of, with woman 27: 512.
- Tlingit and Haida names for 26: 476.
- whistle in shape of 34: 68.
- See also* **Prairie Dogs.**

Squirrel Clan

- native name for 42: 116.
- of the Yuchi and Chickasaw 42: 118.

Squirrel Disease, symptoms and treatment for 42: 641.**Squirrel-tail**, *Hordeum jubatum* L., use of 44: 290, 360.**Squ-sacht-un.** *See* **Slocum, John.****Staats, Jacob**, mound on land of, Ohio 12: 441.**Stabler, Frances D.**, collections of 15: 125, 130.**Stachys Palustris**

- medicinal constituents of 44: 305.
- medicinal properties of 44: 302.
- use of 44: 293, 344.

Stachytarpheta for diarrhea 38: § 927.**Staff**

- of Pawík katecina 15: 301.
- use of, by the Eskimo 9: 353.
- See also* **Staffs.**

Stafford, Isaac, discovery by, New York 12: 508.**Stafford, John**, reference to 29: 293.**Stafford, S. C.**, mound on farm of, Alabama 12: 283.**Stafford, William.** *See* **Estrafort, Guilermo.****Staffs**

- appearance of, in pictures of Hopi katecinas 21: 65, 68, 103, 121.
- as symbols of office 47: 60,

Staffs—Continued

- ice, used by the Eskimo 18: 214 sq.
- See also* **Staff.**

Stag. *See* **Deer.****Stage Lines**, establishment of 26: 32.**Stages** of ornament for painted pottery 4: 303 sq.**Staging**

- for drying roots 35: 166.
- for winter provisions 35: 194.
- from which to watch acouri 38: § 164.
- from which to watch fish 38: § 190.

Stahkan, population of 7: 87.**Stahl, Dr. Augustin**

- archeological work of 34: 170.
- cited 30: 42.
- collection of 25: 22.
- on Antillean dance plazas 25: 83 sq.
- on Antillean pueblo 25: 33.
- on Antillean stone implements 25: 92.
- on game of batey 25: 85.
- on juegos de bola 25: 79, 81.
- on Porto Rican pictographs 25: 149, 151.
- on Porto Rican shell heaps 25: 22, 86.
- on prehistoric Porto Rico 25: 40.
- on religion of Borinquenios 25: 129.
- on stone collars 25: 168.

Stains

- use of, in color decoration, Eastern United States pottery 20: 67, 86.
- See also* **Dyes; Paints.**

Staitan, a synonym of Cheyenne 14: 1023.**Stakeley, John B.**, mound on land of, Tennessee 12: 358.**Stakes**, use of, in construction of stone walls 8: 147.**Stalactites** in Sikyatki graves 17: 730.**Stalking**

- of deer by Eskimo 18: 118 sq.
- of seals by Eskimo 18: 129.

Stalkoosum, a Piskwaus chief 14: 736.**Stalo Indians**, basketry of 41: 133, 142, 184.**Stambaugh Treaty** 14: 29.**Stamm, Miss Winifred**, cooperation of 46: 6.**Stamper Place**, flint on 44: 516.

Stamping Ground, origin of the name
42: 742, 788.

Stamps

- clay, mention of 34: 74, 123, 235.
- pottery, Guiana Indian 38: § 99.
- shell, mention of 34: 86.
- wooden, decoration by 20:
 - Eastern United States pottery 52, 77, 80.
 - Iroquoian pottery 164.
 - Middle Atlantic Coast pottery 156.
 - Northwestern pottery 138 sq., 191, 198.
 - resemblance of, to roulette decoration 190.

See also **Paddles; Roulette.**

Stand for pot 38: § 392.

Stand Watie

- burning of Ross's house by 19: 365.
- myths told by 19: 429, 444.
- on Iroquois peace embassy 19: 352, 353.
- on Iroquois wars 19: 352.
- part taken by, in Civil War 19: 148, 149.
- threat against Ross by 19: 134.

Standard Bearer

- description of 19: 998.
- figure of, in pictures of Buli mana 21: 120.

Standard Markings, definition of
17: 168*.

Standard of Life of Indian tribes 19:
1078 sq.

Standards, War, of the Omaha 13:
273.

Standing, A. J., establishment of
Kiowa Apache school by 17: 252.

Standing Bear

- account of 27: 51, 635.
- Kicking Bear's surrender effected by 14: 868.

Standing Bear, Ellis, acknowledg-
ment to 14: 655.

Standing Buffalo, Ponca legend told
by 27: 49.

Standing Bull, Cheyenne delegate to
Wovoka 14: 900.

Standing-Grizzly-Bear, a Flathead
chief 45: 377.

Standing Hawk, village of 13: 270.

Standing-Head-Feather. *See* Sia-
chí'nika.

Standing Posture, burial in 1: 151,
152.

Standing Robe, brief account of 45:
274.

Standing Rock Agency

- delegates from, to Washington 14:
891.
- dissatisfaction of Indians at 14:
834.
- Ghost dance at 14: 847, 848.
- mention of 4: 174.

Standing Rock Reserve, establish-
ment of 18: 932.

Standing Soldier, scout at Wounded
Knee 14: 876.

Standing Stone, description of 42:
834 sq.

Standley, Paul C.

- acknowledgments to 30: 38; 36:
55; 40: 14; 42: 553, 655.
- plants identified by 42: 15.
- trees identified by 42: 14.

Stands. *See* **Bases.**

Stanford, Ky.

- formerly Logan's Fort 42: 803.
- trail through 42: 800.

Stanislas, Andres, human bones
found by, in Porto Rico 25: 29.

Stanley, Henry M.

- cited on African customs 9: 515, 575.
- quoted on African amulets 9: 485,
560.

Stanley, J. M.

- on dice games, Comanche 24: 159.
- on Iroquoian peace embassy 19:
485-488.
- on racket 24: 607.

Stansbury, Capt. H., on lodge burial
1: 152.

Stapler, Miss —, marriage of John
Ross to 19: 224.

Star

- a female man-being in Iroquoian
cosmology 21: 174.
- among the Tlingit, house-group name
26: 401, 405.
- among the Tlingit, name of gaming
stick 26: 444.
- European game, Tewa 24: 798.
- evening, personification of 14: 1098.
- figures on Sikyatki pottery 17:
702, 724.

Star—Continued

- morning, Indian reverence for 14: 1011.
- string figure of 38: § 649, 650.
- symbol in Maya codices 16: 222, 249.
- symbols on Hopi pottery 17: 696.
- symbols on Sikyatki pottery 17: 680, 690.

See also Stars.

- Star Feathers**, legend of 19: 399 sq.

Star-fish

- as weather charm 35: 630.
- Tlingit house group name 26: 400.

- Star Katsina.** *See Coto.*

- Star Men**, an Arapaho warrior order 14: 987.

- Star People**, plants derived from 30: 36.

- Star People Gens** 36: 95.

- Starch, Flour** 38: § 232-234.

Starikwikhpak

- ceremonial objects from 18: 396.
- description of 18: 247.
- grave boxes at 18: 316.
- paintings on grave box at 18: 327.

- Starlings** in Pueblo region 14: 521.

Starr, Prof. Frederic

- cast of stone lions made by 29: 420.
- on Pueblo shrines 29: 420.
- on use of snow-snake 24: 407.

Starr, George E.

- material collected by 24: 49, 50, 445, 532, 602.
- on racket, Choctaw 24: 602 sqq.

- Starr, James**, flight of 19: 134.

- Starr, Tom**, myths concerning 19: 286.

Stars

- among the Pima* 26:
- in mythology 206, 247, 273.
- in religion 251.

among the Tlingit 26:

- in mythology 451 sq.
- mention of 427.

- appearance of, in pictures of Hopi Katsinas 21: 65, 92, 99, 111, 113.

- as supernaturals 47: 66, 342.

- associated with death 27: 588.

- beliefs concerning 11: 30, 37, 266, 379, 467, 508, 517.

- characteristic arrangement of, in picture of Coto 21: 89.

- decorative use of, in Hopi festivals 21: 47.

Stars—Continued

- defining the seasons 38: § 937.

- in Osage legend 27: 63.

- in Tewa conception 29: 48 sq.

- knowledge concerning 46: 417.

- legends of 30: 260, 261-265.

- mention of 33: 318.

- myths and lore concerning 19: 257, 258, 442, 445, 503; 45: 178 sqq.

- names of the 30: 260-265.

- personification of 36: 51.

- primitive conception of 15: 182, 183.

- representation of 41: 322.

- representation of, in decoration, Eastern United States pottery 20: 67, 100.

- rites relating to 27: 177, 195.

- songs relating to 45: 658 sq.

- spittle and urine of 30: 260.

- symbolized in Shell society 27: 513 sq., 517, 559, 560.

- symbolized in tattooing 27: 504 sq.

See also Constellations; Evening Star; Morning Star; Star.

- Starvation** symbol 4: 154, 155.

- Sta'stas**, Haida clan of Masset 26: 411.

- Stâ'tânniik**, Pima village 26: 23.

State

- definition of 3: 215.

- Omaha 3: 215-218.

- State Rights**, bearing of Removal struggle on 19: 129.

- Statement, Financial.** *See Financial Statement.*

Statistics

- definition of 20: LXI.

- elements of 20: LXIV.

- need for collection of 20: LXII sq.

- Statue, Wooden**, described by J. Adair 42: 245.

- Statues, Monolithic**, mentioned by Brinton 34: 246.

Statuettes

- clay, from different localities 2: 421.

- clay, from Wolpi 2: 387.

- clay, from Zuñi 2: 366.

- wooden, from Wolpi 2: 395.

Stature

- Eskimo 11: 177, 184; 46: 315, 316, 317, 326, 359, 364.

Stature—Continued

Indians, Eskimo, Yukon 46: 151,
159, 161, 162, 164, 229.

mention of 46: 265.

Seri 17: 136* *sq.*

Western Eskimo 46: 213-228, 229,
230, 238, 249, 251.

Status pictographs 4: 183.

Staunton, Va., trail passing 42: 760,
761.

Staups, Pima medicine-men 26: 60.

Stave Game of the Blackfeet 24:
56 *sqq.*

Staxa'di, *Tlingit town*

affinity of 26: 413.

phratry and tribe of 26: 400.

See also **Ka'ckle qoan**.

Stays for oars in Eskimo boats 18:
218.

Stays-in-Tipi. *See* **Gonk'oñ**.

Stealing

among the Chickasaw 44: 220.

among the Eskimo 18: 293, 294,
296, 299, 300.

fish from otter 38: § 185.

punishment for 30: 183, 205; 44:
219.

See also **Theft**.

Steam, terms relating to 29: 54.

Steamboat, sign for 1: 388.

Steaming

as a treatment for disease 45: 463.

halibut 35: 246.

horn 35: 103, 107.

in pit 35: 257 *sqq.*

on red-hot stones 35: 335.

wood 35: 71-74, 88 *sqq.*, 94.

Steaming-box 35: 265, 283, 288,
291, 297, 528.

Stearns, J. B.

relics from Chiriqui presented by
8: xxvi.

specimens in archeological collec-
tions of 6: 24, 41, 43, 45, 48, 49.

Stearns, R. E. C., on shell money
2: 239.

Steatite

aboriginal use of 15: 23.

bowls of 42: 9.

burial urn, California 1: 138.

distribution of 15: 106.

implements used for cutting 15:
68, 82, 111, 141.

Steatite—Continued

influence of occurrence of, on pottery
20: 157.

manufacture of pipes from, South
Appalachian province 20: 140.

method of quarrying 15: 108.

method of working 15: 27, 105, 149.

objects of, found in Little Falls 15:
68.

pipes, trade in 42: 736.

quarries, investigations in 15: LI,
113.

quarry, study of 16: xxiii, lxvii.

use of, as tempering material, East-
ern United States pottery 20: 48.

use of, as tempering material, Middle
Atlantic Coast pottery 20: 148,
151, 157.

utensils of, discussion of 15: 106.

various articles of 15: 133.

vessels, distribution of 15: 142.

See also **Materials; Serpentine**.

Steatopygy 46: 249.

Stebbins 46: 195, 199.

Steck, —, selection of reserve by 18:
822.

Stecoe

attack on 42: 773.

destruction of 19: 49.

Stedman, —, on English attempts to
enlist Indian aid during the
Revolution 19: 47.

Stedman, J. G., cited 30: 157, 159,
229, 328.

Steedman, Elsie Viault, contributor
to Bureau 48: 1189.

Steel Implements among Eskimo,
introduction of 18: 80, 85, 89,
91, 106.

Steel Traps among Eskimo, intro-
duction of 18: 121, 122, 125.

Steele, E. S., acknowledgment to
30: 38.

Steele, John, commissioner to treat
with Cherokee 5: 176.

Steensby, H. P. 46: 230, 231, 256,
331, 332, 333, 373.

Steenstrup, K. J. V. 46: 373.

Steering Gear of Eskimo boats 18:
217.

Steersman, payment of 35: 463.

Steever, Miss Laura W., work of 26:
xxxI.

- Stefánsson, V.** 46: 166, 174, 254, 323.
- Stehchass** land cessions and reservations 18: 798, 818, 864, 872.
- Steilacoom** land cessions and reservations 18: 798, 818, 864, 872.
- Stein, Robert**
 Eskimauan researches of 21: XII.
 field observation by, on Eskimo settlements 22, i: XIV.
 study of the Eskimo by 23: xv.
 work of 19: XVIII.
- Steinbrecker, F. X.**, material collected by 24: 653.
- Steiner, Rev. Abraham**, Cherokee missionary 19: 84.
- Steiner Collection** of stone implements, purchase of 22, i: XXXIX.
- Steiner, Roland**
 collection by 19: xx sq.
 pottery collected by 20: 41, 140.
- Steinhauser, C.** 46: 54.
- Stellaria Media**
 medicinal constituents of 44: 305.
 medicinal properties of 44: 302.
 use of 44: 293, 360.
- Steller, G. W.**, mention of 46: 330, 333.
- Stemless**
 flints, description of 13: 143.
 perforators, description of 13: 165.
- Stemmed**
 flints, description of 13: 150.
 perforators, description of 13: 167.
- Stems**
 list of 40: 616.
 of plants used as food 45: 481-484.
 verbal, list of, not exhaustive 40: 27.
- Stenhouse, T. B. H.**, cited on Mormonism 14: 790.
- Stenhouse, Walter J.**, work of 34: 28.
- Stentor Ursinus**, use of hair for girdle 38: § 544.
- Step-brother**, term applied to 42: 83.
- Step-child**, term applied to 42: 83.
- Step-daughter**, term for 42: 92.
- Step-log**
 of Yuman tribes 13: 357.
 Zuñi etymology of 13: 361.
- Step-mothers**, Omaha 3: 268.
- Step-sister**, term bestowed upon 42: 83.
- Step-son**, term for 42: 92.
- Stephen, Colonel** —, expedition against Cherokee under 19: 45.
- Stephen.** See **Estevan.**
- Stephen, A. M.**
 acknowledgments to 8: 100; 14: 655; 19: 987.
 aid by 7: XXIX.
 anecdote of Hopi clowns related by 24: 716.
 collection of primitive andirons or bosses of 8: 176.
 data by, on Navaho houses 17: 702, 724.
 discovery of ancient kiva type near Sikyatki by 8: 117.
 material on traditional history of Tusayan collected by 8: 16-41.
 on Acoma 29: 544.
 on advent of clans at Walpi 19: 585.
 on archery, Hopi 24: 390.
 on archery, Tewa 24: 390.
 on Awatobi kivas 17: 612.
 on ball race, Hopi 24: 679.
 on ball race, Tewa 24: 680.
 on Cochiti 29: 439.
 on Cohonimo Ghost dance 14: 812.
 on determination of Hopi clans 19: 651.
 on dice games, Navaho 24: 96, 162.
 on dice games, Tewa 24: 190.
 on distribution of Oraibi gentes 8: 104 sq.
 on European games, Hopi 24: 796.
 on hidden ball, Hopi 24: 363 sq.
 on hidden ball, Navaho 24: 349.
 on hidden ball, Tewa 24: 367.
 on Hopi regeneration myth 14: 811.
 on Hopi tradition of cliff ruins 16: 191.
 on Horn house and Bat house 17: 590.
 on Laguna 29: 540.
 on migrations of Pakab clans 19: 508.
 on Mishiptonga ruin 17: 590.
 on Nambé Pueblo 29: 359.
 on Navaho knowledge of Ghost dance 14: 810, 811.
 on occupancy of Küküchomo 17: 587.
 on orientation of Tusayan kivas 8: 115.

Stephen, A. M.—Continued

- on origin of certain kateinas 17: 666.
- on Pojoaque 29: 335.
- on Puye 29: 237.
- on racing terms, Hopi 24: 807.
- on San Ildefonso 29: 304.
- on Santa Clara 29: 241.
- on Santo Domingo 29: 449.
- on significance of structural plan of kiva 8: 135.
- on Tesuque 29: 387.
- on the Soyáluña 15: 268.
- on traditions revealing early Hopi conditions 19: 648.
- on wattling or lathing of kiva walls 8: 126.
- opinion of, on Walpi architectural features 8: 72.
- Powamû studies of 15: 274.
- reference to 19: 578.
- shiny terms furnished by 24: 635.
- Snake dance studies of 15: 265.
- Tusayan researches of 15: 251.
- Tusayan tradition obtained by 13: 188.
- typical kiva measurements by 8: 122.
- work of 9: xxxii; 10: xvii sq.; 19: xli.

Stephen, John, on pottery 41: 293.

Stephens, David, exposition of meaning of creation by 21: 138.

Stephens, John L.

- mention of 1: 207-210.
- on bas-reliefs at Labphak 19: 672.
- on bas-reliefs at Palenque 19: 673.
- on rock-hewn reservoirs at Uxmal 19: 692.

Travels in Central America by, cited 3: 64.

Stephenson, Dr. M. F., on rock carving 4: 23.

Stepped Figures

- significance of 20: 100.
- use of, in ornament, Middle Mississippi Valley 20: 93.

Stepping over a Man, objections to 30: 239, 271.

Stepping Stones to cavate lodges 13: 253.

Steps

- absence of, in cliff village 16: 157.

Steps—Continued

- and ladders, description of 8: 156-162.
- cut in faces of cliffs 8: 191.
- four symbolic 22, ii: 349.
- or foot-holes of Walpi trail 8: 65.
- to kivas 8: 114.

See also **Foot-holes**.

Steptoe, Colonel —

- defeat of command of 45: 128.
- engaged in Indian war 45: 369.
- fight of, with Chief Moses 14: 734.

Sterility

- among the Pima 26: 186.
- in Eskimo 46: 107.

Sterling, Mrs. P. J., group on plantation of, Mississippi 12: 259.

Sternberg, Dr. George M.

- burial case discovered by 1: 162.
- on grave mounds 1: 119.

Stevens, —

- on defeat of Creek and Cherokee in Georgia in 1781 19: 60.
- on Pickens's expedition in 1782 19: 60.
- on Priber's work 19: 37.
- on treaties of De Witt's Corners and Long Island 19: 54.
- on treaty of Augusta, in 1763 19: 45.
- on treaty of Hopewell 19: 62.

Stevens, Edward T.

- aid of, acknowledged 5: 130.
- cited on pestles in Santo Domingo 25: 103.
- on Amazon drilling 13: 165.
- on character of turtlebacks 13: 138.
- on corn-crushers of lake-dwellers 13: 87.
- on Eskimo stone chipping 13: 140.
- on gorgets 13: 117.
- on Pennacook plummet-like sinkers 13: 111.
- on stone chipping 13: 141.
- on Shasta stone flaking 13: 142, 172.
- on stone collars found in Scotland 25: 168.
- on use of perforated stones 13: 98.
- on use of round stones as sinkers 13: 95.
- on use of stone sinkers 13: 97.

Stevens, G. R., mound on land of, Arkansas 12: 224.

Stevens, Chief Priest Henry, Seneca informant 32: 50.

Stevens, Hon. Isaac I.

governor of Washington Territory

24: 173, 610, 636, 807.

on Cayuse and Klúkatát hostility

14: 738.

on Indian tribes 24: 391.

on the Cayuse 14: 744.

on the habitat of the Bannock 7: 109.

on the meaning of Yakima 14: 737.

on the Piskwaus 14: 736.

treaty of 1854 by 14: 751.

Stevens, John, quotation from *Dictionary* of 14: 66, 547.

Stevens, J. L., battlemented structures figured by 16: 246.

Stevenson, —

changes inaugurated by 23: 379.

on petroglyphs at Track Rock Gap 19: 419.

Stevenson, James

Canyon de Chelly visited by 16: 81.

cavate lodges visited by 13: 223.

cited 30: 37.

cited on Navaho sand paintings 15: 266.

collection made by, in Zuñi 23: XLV.

collection of objects of Pueblo art by 6: XLIX.

contributor to Bureau 48: 1189.

exploration by 1: xxx; 5: xxiii, xxiv, 542.

field work of 6: xxviii, xxix.

former work of 13: xxxi.

illustrated catalogue of collection (1879) 2: 307-422.

illustrated catalogue of collection (1880) 2: 423-465.

illustrated catalogue of collection (1881) 3: 511-592.

notice of death and biographical sketch of 10: xxiv sq.

notice of paper on Hasjelti Dailjis by 8: xxxiv sqq.

obituary of 48: 1221.

on ceremonial use of colors by Zuñi 10: 623.

on pictographs 4: 60, 167, 194.

on Pojoaque 29: 335.

on pottery 4: 265, 293, 357.

on Santa Clara 29: 241.

Stevenson, James—Continued

on Sia 29: 517.

on Tesuque 29: 387.

paper by 8: 229, 285; 10: 210.

reference to memoir of 14: XLVIII.

reference to work of 11: 9, 14, 89.

ruins discovered by 17: 532.

visits Zuñi 30: 35.

work of 2: xxxvi; 3: 337; 7:

xviii, xxi, xxiii, xxiv sq.; 9:

xxvii sqq.; 23: 17, 18, 19.

Stevenson, Col. James

material collected by 24: 211, 220

sq., 358, 361, 372, 373, 634, 740,

743, 747, 749, 755, 756.

on ceremony of Yebitchai, Navaho

24: 435 sqq.

on gaming rings, Navaho 24: 435.

Stevenson, Mrs. Matilda Coxe

acknowledgment to 29: 38.

ceremony described by 47: 945.

cited 33: 177.

cited on symbolic colors 11: 532.

collections made by 28: 20.

contributor to Bureau 48: 1189.

death of 36: 16, 34.

ethnological research by 32: 19.

explorations by 11: xxx.

material collected by 24: 495; 40: 10.

memoir by, on the Sia 11: 3.

memoir revised by 14: XLVIII.

memoir of, reference to 19: 971.

mention of 32: 9.

mention of Hoteauni by 21: 100.

model of shrine of Zuñi War-god arranged by 24: 33 sq.

model of Zuñi altar by 19: XLVIII.

myth recorded by 47: 547, 548.

obituary of 48: 1221.

office work by 20: xxii.

on a Zuñi spring 29: 310.

on archery, Zuñi 24: 396 sqq., 398 sq.

on ball race, Zuñi 24: 689-695, 697.

on "Beast-gods" 29: 43.

on cardinal birds 29: 43.

on cardinal colors 29: 42.

on cardinal identifications 29: 44.

on cardinal mountains 29: 44.

on cardinal serpents 29: 43.

on cardinal trees 29: 44.

on creation myth 31: 12.

Stevenson, Mrs. Matilda Coxe—Con.

- on dice games, Keres 24: 123 sq.
- on dice games, Zuñi 24: 217 sqq., 222, 223.
- on earth deity 29: 51 sq.
- on European games, Zuñi 24: 801.
- on hidden ball, Keres 24: 353.
- on hidden ball, Zuñi 24: 381 sq.
- on hoop and pole, Zuñi 24: 526 sq.
- on Keresan Cannibal giants 17: 665.
- on Keresan Snake dance 16: 305, 309, 310.
- on quoits, Zuñi 24: 727.
- on Salt Mother 29: 537.
- on sanctity of mountain peaks 31: 12.
- on Sandia Mountains 29: 513, 514.
- on Santo Domingo 29: 449.
- on shinny, Zuñi 24: 647.
- on shuttlecock, Zuñi 24: 720 sq.
- on Sia 29: 519.
- on Stone Lion's shrine 29: 419 sq.
- on Tewa philosophy 31: 13.
- on Tewa rain priests 31: 13.
- on Tewa religion 31: 13 sq.
- on the Sia kisi 16: 297.
- on tossed ball 24: 711.
- on unclassified games, Zuñi 24: 787.
- on Zuñi ceremonials 15: 265, 308, 309, 310, 311, 312.
- on Zuñi claim to Sichumovi 21: 26.
- on Zuñi color symbolism 15: 308.
- on Zuñi name for sun 29: 46.
- paper by 34: 26; 36: 30; 37: 27.
- paper on textile fabrics and dress of Pueblo Indians by 31: 15.
- previous writings of, on Zuñi 23: XLVI.
- references to 19: 982; 29: 11.
- researches of 6: XXIX; 14: XLIV, 359; 16: XX, XXIV, XXVIII, XXXII, XXXVII, XXXIX, XLI, XLIV, XLVIII, LII, LVI, LXXV.
- review of report by 11: XXXIX.
- specimens collected by 36: 33.
- studies of, in Amerindian symbolism 20: 100.
- study of fraternities and cults by 19: XLVII.
- study of Zuñi myths and ceremonials by 23: XI.
- systematic research by 33: 19.

Stevenson, Mrs. Matilda Coxe—Con.

- work of 7: XXV; 13: XXVI, XXX, XXXVIII; 15: XXII, XXIV, XXV, XXVII, XXX, XXXIV, XXXVIII, XLI, XLIV, XLVI, XLVIII, LIII, LVI, LXI, LXIV, LXVII, LXXXVII, XCI; 17: LIV; 18: XXVII sq., XXXII, XLIV, XLVII; 19: XXVII sq.; 22, i: XXXVI; 23: 18, 19; 24: XIV sqq., XXVII, XXVIII, XXIX, XXXII; 25: X, XV sq., XXII; 26: XVII sq., XXVIII; 27: 7 sq.; 28: 10 sq.; 30: 10, 15, 25, 31-102; 34: 14 sq.; 35: 22; 36: 16 sq.

Zuñi studies of 21: xxx.

Stevenson, Matthew F., material collected by 24: 97.**Stevenson, Mrs. Tilly E.**

- on the religious life of the Zuñi child 5: L-LIII, 533-555

See also **Stevenson, Mrs. Matilda C.**

Stewart, Rev. T. C., teacher to the Chickasaw 44: 177.**Stewart, T. Dale**

- collection by 48: 20.
- mention of 46: 164, 238, 247, 254, 295, 296.
- work of 45: 14 sqq.

Stick and Ring Game, Omaha 3: 337; 24: 514.**Stick Counting Game 3: 338; 24: 229, 259.****Stick Games**

- description of 45: 130.
- general account of 24: 44.
- implements for 24: 33.
- played by the 24:
 - Achomawi 257.
 - Ataakut 233.
 - Chinook 240 sq.
 - Clallam 249.
 - Dakota 228 sq.
 - Dakota, Teton 258.
 - Haida 259-263.
 - Hupa 233-236.
 - Hurons 241 sqq.
 - Klamath 248.
 - Kwakiutl 263.
 - Makah 264.
 - Omaha 259.
 - Pomo 247.
 - Puyallup 250 sqq.
 - Saklan 248.

Stick Games—Continued

played by the 24—continued

Songish 254.

Stikine 244.

Takulli 236 *sqq.*

Tlingit 245, 246.

Twana 256 *sq.*

Washo 265.

Yurok 265.

Zuñi 266.

Stick-in-Sand, hidden ball game,
Maricopa 24: 371.

Stick Indians

games of the 24: 196.

See also Athapascans.

Stick Leaf

folklore concerning 30: 84 *sq.*

use of, in medicine 30: 56.

Stick-seed, use of 45: 474.

Stick Swallowing by the Hopi 17:
664.

Stickney, Gardner P.

acknowledgment to 19: 1105.

cited on use of wild rice 14: 291.

wild rice harvesting illustration published by 19: 1057.

Stickney, William, a Ponca commissioner 15: 192.

Sticks

for cord making 38: § 53, 54.

for counting 38: § 939.

notched, for recording events 17:
142.

notched, use of, in Hopi festivals
21: 56.

painted, bundles of, used in Navaho
medicine ceremonial 8: 252, 254.

Sticky Head 33: 133.

Stietshoi, a Coeur d'Alène synonym
14: 733.

Stiggins, —, a source of Creek ethnology 42: 679.

Stikâ'yî. *See Stecoee.*

Stikine, *Tlingit* tribe.

clans and house groups of 26: 402.

history of the 26: 411.

mention of the 26: 396.

phratries and clans of 26: 399.

stick games of the 24: 244.

Stillborn

burial of 47: 214.

ceremony for 47: 300.

food offered for 47: 299.

prayer feathers for 47: 318.

Stillborn—Continued

prayer stick for 47: 299.

regarded as supernaturals 47: 341.

Stillingia, species of, used medicinally
42: 662.

Stillwell, Miss Margaret Bingham

copying of French-Miami dictionary

by 32: 29; 33: 32.

transcription of manuscript by 34:
24.

Stilts

common to the 24:

Hopi 731.

Maya 731.

Shoshoni 732.

Wichita 731.

Zuñi 731, 732.

of the Guiana Indians 38: § 618.

Stilwell, —, services of, as scout 17:
214.

Stimelacoweche

name interpreted 42: 34.

Osochi "king" 42: 34.

Stimulants and Narcotics 38:

p. 240-247 (Ch. XVI).

Sting-ray

barb for arrowheads 38: § 128.

leaf plate 38: § 453.

pattern of fan 38: § 367, 372-374.

string figure of 38: § 701.

use of, for toothache 30: 371.

wounds caused by 38: § 929.

Stinking Bird. *See Bunia.*

Stinson, Floyd, description of Angel
Group Indians by 12: 556.

Stipa Spartea 33: 66.

Stipple Decoration

Florida Peninsula 20: 126 *sq.*

See also Indenting; Punctures.

Stirling, M. W.

acknowledgment to 48: 29.

appointment of, as Chief of the
Bureau 46: 1, 16.

archeological collection by 48: 21.

crania and skeletal parts collected
by 48: 20, 21.

work of 41: 102; 46: 1 *sqq.*; 47:
1 *sq.*; 48: 3 *sqq.*

Stirpiculture among the Seri 17:
158*, 284*.

Stirring Paddles

Guiana Indian 38: § 378.

Kwakiutl 35: 298.

See also Spoons.

- Stith, William**, quoted on Virginia's Indian policy 18: 564.
- Stkahmish**. *See Dwamish*.
- Stlaxai'ux Division**, basketry of the 41: 442 *sq.*
- Stlūk**
value of, in trade 41: 158.
See also Storage Baskets.
- Sto'am O'himal**. *See White People*.
- Stobshaddat**, a Yä'kîmâ synonym 14: 737.
- Stock**
cattle first issued to Dakota 4: 145.
Cherokee losses of, in Civil War 19: 149.
raising by Cherokee 19: 82.
Seri consumption of 17: 205*.
Seri methods of killing 17: 204* *sq.*
- Stock Creek**, trail along 42: 795.
- Stock, Linguistic**, definition of 7: 11.
- Stockaded Villages** among the Indians 19: 493.
- Stockades**
description of 42: 438.
where found 42: 438.
See also Palisades.
- Stockbridge**, treaties of 18: 774, 780, 814 *sqq.*
- Stockbridge Indian**
cessions for 18: 730, 742.
land cession 14: 22, 26, 31.
land cessions and reservations by 18: 774, 778, 780, 814 *sqq.*, 854.
land purchase at Green Bay 14: 23.
populations and lands of 14: 31.
population of 7: 51.
See also New York Indian.
- Stockbridge Language**
examples from the 28: 238, 284.
notes on the 28: 290.
- Stockings** of the Eskimo 9: 129.
- Stockman, A. J.** 46: 53, 54.
- Stocks**. *See Peoples*.
- Stockslager, S. M.**, aboriginal workshops on farm of 44: 526.
- Stockwell, R. A.**, assistance rendered by 47: 10.
- Stoddard, Amos**, cited 12: 629.
- Stoicism**
among Siouan Indians 15: 170.
display of 42: 418, 457.
of the Indians 46: 525.
- Stokes, Agent** —, on killing of Ridges and Boudinot 19: 134.
- Stokes, Montfort**
at Fort Gibson Council, 1834 17: 169.
commissioner to report on country assigned to Indians of the West 5: 251.
commissioner to treat with Cherokee 5: 249.
treaty commissioner in 1837 17: 170.
- Stolen Property**, power to recover, claimed by Indian medicine-men 9: 461.
- Stoll, Dr. Otto**
cited by Goodman on Cakchikel language 19: 809.
on Aguacateca and other numerals above ten 19: 905.
on Cakchikel numerals 19: 899.
on definition of *ahau* 16: 263.
on formation of Mayan number names 19: 865.
on Huasteca numeral system 19: 894.
on Ixil numerals 19: 904 *sq.*
on Mame number names 19: 864.
on names of numbers in Mayan dialects 19: 861 *sqq.*
on old and new Mayan numeral system 19: 891.
on Pipil number names 19: 867.
on Pokonchi numerals 19: 901.
on signification of *vuich* 16: 228.
on Tzotzil and other numerals 19: 906.
on Zoquean number names 19: 873.
- Stoluckwhamish**. *See Dwamish*.
- Stomach**
fat, of mountain goat 35: 432.
how treated 30: 44, 45, 56, 60.
of animals, Eskimo clothing made of 18: 42.
of animals, Eskimo floats made of 18: 141, 188.
of seal 35: 453, 454, 455.
- Stomach Disorders**, remedy used for 42: 657.
- Stomp Dance**
at end of ball game 42: 463.
following busk 42: 567.
medicines used at 42: 564.
object of 42: 547.

Stomp Dance—Continued

preceding the busk 42: 550.

time for holding 42: 550.

Tukabahchee, description of 42: 557 sq.

Stone, A. J. 46: 150, 229, 230, 231.**Stone, Charles P.**

identification by 17: 51.

notes on Seri by 17: 99 sq.

Stone, H. B., killed at Wounded Knee 14: 872.**Stone, Livingston**

material collected by 24: 241.

on stick game, Winnimen 24: 241.

Stone, Col. William H., on racket, Mohawk 24: 591.**Stone, W. L.**, on Sir William Johnson 19: 203.**Stone**

adzes 38: § 12.

arrowheads of Guiana Indians 38: § 128.

arrowheads of the Omaha 13: 287.

ax from Homolobi, figure showing 22, i: 102.

axes of the Eskimo 46: 67.

axes of the Omaha 13: 278.

baking oven 38: § 361.

balls from Pueblo Viejo ruins, description of 22, i: 183.

beads made of 38: § 76.

bearing Cherokee letters, from mound 12: 393, 394.

birds from Woodruff Butte, described and figured 22, i: 135.

bridge of, in Iroquoian cosmology 21: 309.

celts made of 38: § 6-9, 11.

chest ornaments of 38: § 537.

classification of, in implements 44: 96 sq.

classification of peoples from use of implements of 18: xxxvii sq.

corrals of 8: 214.

culture, implements, industry, Yukon 46: 64, 68, 69, 82.

culture, old 46: 144.

effect of use of, in chimney hoods 8: 172.

enclosures in southern Arizona 8: 216.

Eskimo house fittings of 18: 244, 253.

Stone—Continued

Eskimo implements and utensils of

18: 63, 65, 75, 80-84, 91 sqq.,

112, 122, 126, 127, 145, 146, 148,

157, 159, 171 sq., 176, 180 sqq.,

186, 188, 189.

Eskimo ornaments made of 18: 46-49.

Eskimo surgical instruments made of 18: 309 sq.

Eskimo tobacco implements made of 18: 280, 283.

fetish from Pueblo Viejo ruins, cut showing 22, i: 186.

flags used to floor Tusayan kivas 8: 121.

from Four-mile ruin, used in belt frame, description of 22, i: 159 sq.

from Four-mile ruin, figure showing 22, i: 160.

grater 38: § 334, 335.

graves or cists 1: 113.

hatchets from Pueblo Viejo ruins, collection of 22, i: 183.

industry, primitive, Bonasila 46: 60.

knife, Guiana Indian 38: § 13.

knife, Omaha 13: 278.

lamps, ornate 46: 34, 55, 136, 173.

means of obtaining, in Zuñi 8: 139.

mention of 35: 1224.

mounds 1: 118.

objects from shrine at Kintiel, mention of 22, i: 127 sq.

objects of 44: 72-105.

objects of, used as fetishes 47: 278 sq.

occurrence of symbolic designs engraved on 20: 101.

pestle and mortar 38: § 382.

pictographs on 10: 205 sq.

polishing, sharpening 46: 135.

power of, to melt ice 32: 185.

roof drains, curious forms of 8: 151.

scraper 38: § 16.

shelters, possible remains of, at Payupki 8: 60.

signs for 1: 386, 515.

size, character and finish of, in Pueblo ruins 8: 55, 58, 60, 138.

slabs, formerly used to close doorways 8: 188.

Stone—Continued

- slabs from Pueblo ruins in Arizona 22, i:
 - description of 104 *sq.*, 160 *sq.*, 185 *sq.*
 - figures showing 161, 185, 186.
 - perforations in 106, 160 *sq.*
 - spear head 38: § 147.
 - transformation into 35: 1216.
 - use of, for building 42: 688 *sq.*
 - use of, in aboriginal art 15: 21.
 - use of, to magically create barrier to pursuer 32: 675.
 - utilization of, for implement 15: 146.
 - vessels, copied in pottery 4: 447.
 - wedges used in Pueblo wall finish 8: 140, 142.
 - work in, suggesting Mexican influence 20: 42.
- See also* **Perforated Stones; Rock; Stone Age; etc.; Stones.**

Stone Age

- in Old and New World 34: 53.
- Yukon 46: 58.

Stone Age Man, work on 42: 729.**Stone Amulets**, *Antillean*

- classification of 25: 140–145.
- differences in form of 25: 147 *sq.*
- general discussion of 25: 138 *sq.*
- similarity between Antillean and Mexican 25: 146.
- uses of 25: 146 *sq.*

See also **Amulets**

Stone Art

- classification of 14: xxxvii.
- memoir on 13: XLIV, XLIX, 47–178.
- researches in 15: LI, LV, LIX.

Stone Articles

- from Cochiti 2: 459.
- from Cuyamunque 2: 435.
- from Jemez 2: 452.
- from Nambé 2: 436.
- from Old Pecos 2: 418.
- from Old Pojuaque 2: 441.
- from Pojuaque 2: 438.
- from San Ildefonso 2: 460.
- from San Juan 2: 456.
- from Santa Ana 2: 458.
- from Santa Clara 2: 441.
- from Santo Domingo 2: 450.
- from Silla 2: 454.
- from Taos 2: 464.
- from Tesuque 2: 410, 450.

95719°—33—64

Stone Articles—Continued

- from Wolpi 2: 375.
 - from Zuñi 2: 337.
 - mention of 2: 320.
 - mineral composition of 2: 320.
- See also* **Stone Implements.**

Stone Artifacts, Pima 26: 108–112.**Stone Axes**

- explained as thunderbolts 30: 270.
- search for 30: 220–223.
- source of 30: 219, 223, 237, 363.

Stone Balls, Antillean 25: 110.**Stone Birds**, Antillean 25: 195.**Stone Boiling**, a custom derived from Indians 41: 607.**Stone Calf**, surrender of Cheyenne under 17: 212.**Stone Chipping** by Arizona tribes 14: 275.**Stone Close**, anciently used 8: 192, 193.**Stone Coat**

- assists Seneca hunters 32: 439.
- dog belonging to 32: 178.
- fight with 32: 344.
- Iroquoian concept of 32: 64.
- killing of, with basswood club 32: 330, 438.
- mention of 32: 564.
- origin of 32: 64.
- unable to look upward 32: 440.
- woman, calls beavers and eats them 32: 438.

Stone Coats

- defeat of 32: 261.
- defeat of, by Hawenniyo 32: 441.
- destroyed by fire 32: 445.
- encounter with 32: 683.
- mention of 32: 61, 63, 64, 65.
- name due to false etymology 32: 63.

Stone Collars

- distribution of 25: 214.
- general description and classification of 25: 159 *sq.*
- purpose of 25: 167–172, 172 *sq.*
- slender 25: 163–167.

Stone Fort, midden at 34: 159.**Stone Giant** of the Iroquois, Atotarho 2: 53.**Stone Giantess**, Iroquois myth 2: 62.**Stone Giants**

- extermination of 2: 59.
- of Iroquois mythology 2: 53.

Stone Giants—Continued

powers of 2: 53.

shape of 2: 53.

*See also Stone Coats.***Stone Giant's Challenge**, Iroquois myth 2: 63.**Stone God**, belief in the 11: 447.**Stone Hammer** 35: 578, 588, 594, 595.**Stone Heads** 25: 133 *sqq.*, 264 *sq.***Stone Heaps**

as memorials to the dead 42: 391.

marks of honor for the dead 44: 230.

Stone Houses

of Diomedes 46: 172.

of Little Diomede 46: 183.

of Norton Bay 46: 182.

of Norton Sound 46: 182.

of Seward Peninsula 46: 172, 183.

of the Eskimo 11: 228.

Stone IdolsAntillean 25: 178 *sq.*Mexican, Altamira 25: 278 *sqq.*Mexican, Cempoalan and Xico 25: 247 *sq.*, 266 *sqq.*

Mexican, Tampico 25: 280.

*See also Fetishes; Idols; Stone Images; Zemis.***Stone Images**

Eastern United States 20: 41.

representation of Hano warrior gods by 21: 21.

Stone Implements

absence of, at Cuñopavi altar 16: 287.

absence of, in Cipaulovi ceremony 16: 279.

burial of sherds resembling, Florida Peninsula 20: 119.

character of 15: 21.

from Awatobi 17: 625 *sq.*

from Bonasila 46: 142, 144.

from Eskimo region 46: 173.

from Honanki 17: 571.

from Lake Superior 13: xxviii.

from Ohio 13: xxvii.

from Pueblo ruins, description of 22, i: 102 *sqq.*, 133, 159 *sq.*, 183 *sqq.*

from Pueblo ruins, figures showing 22, i: 102, 182, 183, 184.

from Pueblo ruins, Rust collection of, purchase of 22, i: xxxix.

Stone Implements—Continued

from Pueblo ruins, Steiner collection of, purchase of 22, i: xxxix.

from Sikyatki 17: 729.

from Yukon 46: 58, 134.

in cavate lodges 13: 223, 224.

of Arizona tribes 14: 256.

of the Menomini 14: 266.

of the Potomac-Chesapeake province 15: xxv, xxxvii, xciv, 13-152.

on Oraibi altar 16: 291.

Seri, census of 17: 248*.

Seri, classes of 17: 10, 234* *sq.*, 248*, 255*.

Seri, specimens of 17: 235*-247*.

Steiner collections of 21: xxxiv.

study of 13: xxxvi.

use of, in trephining 16: 59.

*See also Archeological Objects; Implements; Stone Articles; Stones; Tools.***Stone Indians**, an Assiniboin band 46: 430.**Stone Man.** *See* Nûñyunu'wî.**Stone Masks**

Antillean 25: 83.

mention of 3: 76.

Stone Necklace, death of 17: 283.**Stone Objects**

collection of 3: 431, 442, 453, 457, 465, 470, 478, 490, 520-587.

*See also Stone Implements; and references given there.***Stone of the Giants**, Mexico 10: 133.**Stone Pipes**

Eastern United States 20: 44, 140, 172.

variation in form of 20: 174.

Stone Ringsmention of 25: 219, 251 *sqq.**See also Stone Collars.***Stone-slab Graves**

beneath floor 41: 499, 519, 520, 601.

construction of 41: 549.

description of 41: 520 *sq.*, 523, 528 *sq.*, 537, 541.

double 41: 532.

in mound 41: 510.

typical of Middle Tennessee 41: 548.

See also Burials; Graves.

Stone Steps

of Pescado 8: 95.

of Tusayan 8: 157.

Stone Tablets of the Northwest,
probable age of 20: 193.

Stone-throwing Game

played by the 24:

Bannock 728.

Tewa 728.

Stone Vessels, Eastern United States
20: 25, 60.

Stone Village, explorations in 7:
XVIII-XXVIII.

Stone-working

Antillean 25: 92, 109, 132, 219.

methods of 27: 338.

origin of 27: 70.

See also **Archeological Objects**;
Stone Amulets; **Stone Balls**;
etc.

Stone Yokes

closed form of 25: 253.

open form of 25: 253-257.

theories as to use of 25: 259 *sqq.*

Stoneman, *Lieut. George*, survey by
26: 31.

Stones

barrel-shaped 44: 91.

circles of, made by girls 45: 282.

for counting 38: § 939.

green, barter in 30: 210, 290 *sq.*,
365.

green, description of 30: 291.

green, talismans 30: 290 *sq.*, 332.

heated, use of, in boiling water 20:
26 *sq.*

hot, for cooking food 35: 244, 264,
277, 300, 335, 418 *sq.*, 439, 481,
553.

hot, for steaming 35: 258, 501.

hot, for steaming wood or horn 35:
71, 87, 94, 105.

incised 44: 91.

incised and perforated 34: 148 *sq.*

rare, used for sacred purposes 41:
600.

rectangular, piles of 41: 565 *sq.*

rubbing 44: 92.

spherical 44: 90.

symbolism of 27: 45, 171 *sq.*, 587.

tarred 44: 91.

thrown on body of shaman 31: 344,
477.

two-lobed 44: 90.

Stones—Continued

use of, in finishing, Eastern United
States pottery 20: 51, 54, 55,
56, 57, 59, 63, 84, 135, 136, 161,
185.

use of, in inlaying, South Appalachian
pottery 20: 131.

See also **Stone**; etc.

Stones, Perforated, use of, by Pueblo
Indians 22, i: 186.

Stones, Problematical

mention of 34: 149-152.

See also **Problematical Objects**.

Stoney, —, ethnologic specimens col-
lected by 18: 186, 187, 203, 284.

Stoney, Lieutenant —, investigations
of Athapascan habitat by 7: 53.

Stoney Indians. *See* **Assiniboin**.

Stonework

at Oraibi 8: 144.

Coeur d'Alène 45: 40 *sqq.*

Mormon and Pueblo, comparison of
8: 148.

of Central America 34: 58.

of Flathead group 45: 326.

of Mexico 34: 58.

of Okanagon 45: 217 *sq.*

of the Greater Antilles 34: 58.

Shumopovi 8: 75.

Stony Mountain, in Pima song 26:
309.

Stony Point 46: 116.

Stools

of ancient Chiriqui 6: 154 *sqq.*

three-legged, use of 42: 689.

used by Eskimo in catching seal 9:
255.

used by the Pueblos 8: 212, 213.

See also **Benches**; **Duhos**.

Stopper-like Objects

Eastern United States pottery 20:
35 *sq.*, 100.

See also **Tools**.

Stoppers

for Eskimo hunting floats 18: 140
sqq.

for Eskimo needle cases 18: 103 *sq.*

for Eskimo water bags 18: 74.

Storage

cist, described and figured 13: 221,
250.

cists in cliff ruins, discussion of 16:
166, 197.

Storage—Continued

- facilities of Pueblo dwellings 8: 57, 62, 103, 109, 143, 144, 182, 209.
- houses 46: 182.
- need of large vessels for 20: 60.
- of food 45: 342.
- of water, pottery for 4: 284.
- room, in cavate lodge 13: 228, 229.
- room, in cliff dwellings 13: 345, 350; 16: 130, 132.
- vessels of pottery 4: 371.

See also **Cist; Granaries; Domestic Pottery; Storehouse; Store-rooms.**

Storage Baskets

- description of 41: 205 sq.
- shape of 41: 137.
- terms for 41: 396.
- use of 41: 197 sq.

See also **Baskets.**

Storehouse

- of Indian tribes 19: 433.

See also **Granaries; Storage.**

Storerooms

- of the Eskimo 18: 795, 797.

See also **Storage.**

Stories (1) added in cliff buildings 4: 479.**Stories (2)**

- and story-tellers, Cherokee 19: 230, 232, 236 sqq., 428 sqq.
- of Northern Indians 11: 260, 327.

See also **Story; Tales.**

Storing

- wild rice 19: 1071 sq.
- wild rice, mechanical means employed in 19: 1072.
- wild rice, reasons for 19: 1071 sq.

See also **Storage.**

Storm Cloud, the, in Pima legend 28: 43, 60.**Storm God in Hindu mythology 16: 221.****Storms**

- destruction by, of remains 46: 363.
- destructive to wild rice 19: 1027, 1100.
- mention of 46: 75, 76, 86.
- in Seri waters 17: 45 sqq.
- rousing of 30: 267.

See also **Rain; Tempest; Thunder; Weather; Wind.**

Stormy Weather 46: 91, 101, 104, 107, 116, 117, 118, 119, 121, 122.**Storrs, Henry R., policy toward Cherokee denounced by 5: 288.****Story**

- of a feud 45: 259 sq.
- of famous sheep hunt 45: 243 sqq.
- of Lelegēde, Q!omk'!utles, Kwag'ul 35: 1117.
- of the Naensx-ā of the Koskima 35: 1256.
- regarding first horses 45: 249 sq.

See also **Stories (2).**

Storytelling

- custom connected with 42: 521.

See also **Myths; Stories (2); Story.**

Stott Ranch Ruin

- location and character of 22, i: 168.
- pottery from, character of 22, i: 167.

Stouffer, T. L.

- bid of, for Casa Grande repair 15: 328, 338.
- contract with, for Casa Grande repair 15: 334.

Stout, A. B.

- quoted on Lake Koshkonong mounds 37: 100.
- quoted on linear mounds 37: 81 sq.
- theory of, regarding linear mounds 37: 84.
- work of, on Wisconsin archeology 37: 76.

Stout, Mrs. G., material collected by 24: 149.**Stout, J. H., agent for Pima 26: 34.****Stoves**

- among the Kiowa 17: 352.
- of the Menomini 14: 256.

See also **Fireplace.**

Strachey, William

- mention of shell knives by 2: 202.
- on Powhatan games 24: 232, 622, 699.

Strada. *See* Estrada.**Straight Head, a delegate to Washington 14: 891.****Straight-throwing Game, Tepehuan 24: 154.****Strainers**

- blue grama used for 30: 83.
- of basketry 13: 17.

Straits of Anian, belief in 17: 55 sq.**Stramonium. *See* Datura.**

Strand Plaiting

mention of 38: § 42.

with overcasting 38: § 43.

Strange Boy, Eskimo legend of 18: 490-494.

Strangers

treatment of, Creek 42: 334.

treatment of, Eskimo 18: 294, 295.

Stranger's House 38: § 804.

Strangulation, how treated by Zuñi 30: 52.

Straps for knapsack 38: § 61, 62.

Stratman, Henry F., cave on farm of 44: 466-471.

Stratman Cave, investigations in 41: 91 sq.

Stratton, Miss —, work of 25: xxv.

Stratton, C. L., shell pins collected by 2: 215.

Strauch, Captain —

on painted skulls 3: 94.

on South Sea masks 3: 98.

Strauss, L. 46: 122.

Strauss, S. W., acknowledgment to 44: 32.

Straw

abode made by Spaniards 8: 138, 224.

ceremonial use of 15: 287.

use of, as tempering material, Eastern United States pottery 20: 46.

use of paddle wrapped with, in finishing Mandan pottery 20: 198.

Strawberry

chemical composition of 19: 1081.

festival of the Iroquois 2: 115.

myth concerning 19: 259, 443, 468.

use of 45: 487.

wild, mention of 33: 84.

wild, use of 44: 289.

See also **Fragaria Virginiana**.

Strawberry, California, use of 45: 488, 509.

Straws, game of the 24: 231, 241 sqq.

Streams

deification of 11: 370.

in cliff-ruin region 16: 84.

known to the Omaha 27: 89-94.

See also **Rivers**.

Strebel, Dr. H.

on art products of Totonac 25: 250.

on Cempoalan ruins 25: 234.

on meaning of stone yokes 25: 260.

Strebel, Dr. H.—Continued

on open stone yokes 25: 253.

stone head figured by 25: 265.

yoke figured by 25: 256.

Strength

Eastern United States pottery 20: 57, 58, 151.

influence of tempering on 20: 46 sq.

influence of use of roulette and paddle on 20: 75, 135 sq.

Strength, Physical

of the Assiniboin 46: 529.

of the Eskimo 11: 268.

of the Eskimo of Yukon 46: 151, 164.

of the Western Eskimo 46: 213-227, 249.

Streptorus Amplexifolius 45: 459, 486.

Streptorus Roseus

mention of 45: 467.

use of 44: 293, 360.

Stretchers for dressing skins, Eskimo 18: 116, 125.

String

bina 38: § 63.

figures and tricks with 38: p. 500-550.

for bow 38: § 127.

trick of the Maya 24: 762.

String Musical Instruments 38: § 571, 572.

Strings

for counting with 38: § 939.

knotted, as message bearer 14: 659.

knotted, for recording events 17: 142.

use of, for mnemonic purposes 10: 223.

See also **Cord; String; Twine**.

Stripes, Vertical, use of, in design 41: 242-245, 273-287.

Strips

building of clay vessels by, Eastern United States 20: 50 sq., 54, 56, 57, 117, 135, 161.

See also **Fillets; Manufacture**.

Stromanthe Sanguinea, use of, for pegalls 38: § 100.

Strombus Shells

columellae of, used in manufacture of beads 2: 224.

columellae of, used in manufacture of pendants 2: 208.

Strombus Shells—Continued

columellae of, used in manufacture of pins 2: 215.

used as vessels 2: 191, 194, 197.

used in manufacture of celts 2: 204.

used in manufacture of gorgets 2: 295.

Strong, Moses, mounds described by 12: 52, 55.

Strong Man, Eskimo legend of 18: 499.

Strube, Leopold B.

acknowledgment to 25: 161.

stone collar owned by 34: 189, 193.

Struble, Henry, flint on farm of 44: 526.

Structural Features of kivas, similarity of 8: 129.

Structure of baskets 41: 167–195.

Structures, Social and Ceremonial, changes in 42: 191.

Strum, G. P., aid of, acknowledged 5: 130.

Strutt, Joseph, quoted on magic cakes 9: 547.

Strychnos Pseudo-quina, febrifuge 38: § 927.

Strychnos sp., use of, for arrow poison 38: § 121.

Stuart, Granville, on Shoshoni hand game 24: 314.

Stuart, James, agent of Tennessee to treat with Cherokee 5: 179.

Stuart, King of England James, quoted on magic knots 9: 569.

Stuart, Capt. John

capture and release of 19: 44.

life of 19: 203.

refuge of defeated Cherokee with 19: 53.

treaty negotiated by 19: 45.

Stuart, Robert, on dependence of fur trade on aboriginal production 19: 1104.

Stuart Island, mention of 46: 195.

Stuart's Lake, water-tight basketry of 41: 133.

Stubbs, C. H., on Pennsylvania steatite quarry 15: 108.

Stubbs, Stephen, mystery decoration of 11: 405.

Stubbs, midden at 34: 91 sq.

Study

of Pueblo pottery as illustrative of Zuñi culture growth 4: 467–521.

Study—Continued

of the Troano manuscript 3: 10, 14, 17, 19, 20, 22, 23, 25, 37, 38.

of unwritten languages 2: xvii.

Stumbling Bear

death of son of 17: 358.

house built for 17: 342.

in Kiowa fight of 1864 17: 315.

in Washita council of 1872 17: 191.

on the Arikara 17: 158.

See also **Set-ïmkia**.

Stump, man converted into 32: 271, 272.

Stuntz, A. C.

on Ojibwa curing wild rice 19: 1066.

on thrashing wild rice by treading 19: 1068.

on tying wild rice 19: 1058.

Stupidity, signs for 1: 303.

Sturavrik Cívanaváaki, legendary Pima settlement 28: 51.

Sturgeon

chemical composition of 19: 1081.

in Menomini myth 14: 202.

scales of, used in medicine 14: 93.

See also **Fish**

Sturgis, Colonel —, in Nez Percé war 14: 714.

Sturgis, A.

acknowledgment to 6: 409.

cited 6: 491.

Sturm, Dr. J. J., Comanche persuaded to surrender by 17: 214.

Stuwi'x, Athapascan, mention of 41: 156.

Stuwi'xamuṣu, mention of 41: 133.

Stuyvesant, Peter, charter granted by 18: 616.

Suaedae, Pima food plants 26: 71, 78.

Suamca Mission, reference to 28: 56.

Suarez Aganiez, wounded at Cibola 14: 388.

Suarez de Figueroa, Gomez. *See* **Figueroa**.

Suarez de Peralta, Juan

on return of Coronado 14: 402.

reminiscences of Coronado's departure by 14: 364.

Suaso Aniceta, reference to 29: 121.

Suavastika. *See* **Swastika**.

- Subaipuri.** *See* **Sobaipuri.**
- Subaquatic Monsters**, belief in 11: 386.
- Subaquatic Powers**, worship of 11: 424, 438.
- Subgentes**
discussion of 27: 136, 137.
Omaha, importance of 3: 258.
Omaha, mention of 3: 215, 225, 230, 235, 241, 242, 245, 248, 249.
Omaha, referred to in A^aba-he-be's tradition 3: 222, 223.
Omaha, sections of 3: 215, 237, 239, 240.
Omaha, subsections of 3: 239.
- Subibizu**, moldy maize-bread loaves for the manufacture of drink 38: § 264.
- Subina**, number names of 19: 863.
- Subjunctive Mode**, *Algonquian*
Cree 28: 246 *sq.*, 248, 265, 269, 270.
Delaware 28: 246, 260, 265, 268, 275-279.
Eastern Central Algonquian 28: 237 *sq.*
East Main Cree 28: 269.
Fort Totten Cree 28: 241 *sq.*, 245 *sq.*, 252.
Fox 28: 248, 254, 259, 260, 265, 269, 272, 274, 288.
Menominee 28: 246, 251 *sq.*, 269.
Micmac 28: 245, 269.
Montagnais 28: 248, 260.
Natick 28: 234, 260, 265.
Ojibwa 28: 245, 246, 249, 260, 262 *sq.*, 266, 267, 268 *sq.*
Ottawa 28: 246, 260, 266, 268, 269.
Peoria 28: 245, 260, 265, 268, 269, 270, 271.
Potawatomi 28: 268.
Shawnee 28: 255, 260, 265, 269.
See also **Suppositive Mode.**
- Subjunctive-Participial Mode**, *Algonquian.*
Cree 28: 239, 240, 245.
Fox 28: 245.
Ojibwa 28: 245.
- Submission**, signals for 1: 531.
- Subsistence**, means of, of Point Barrow Eskimo 9: 61-65.
- Substances** on which pictographs are made 10: 205-217.
- Substantiation**, principles of 20: XXXI-XXXV.
- Subterranean** character of kivas 8: 63, 72, 112, 113.
- Subterranean Monsters**, belief in 11: 386.
- Subterranean Powers**, worship of 11: 424, 438.
- Subterranean Rooms**, Casa Grande 28: 40, 97, 101, 102.
- Sucaah** land cessions and reservations 18: 782.
- Succession**
laws of 35: 1107.
mention of 35: 824, 852, 863, 901, 937 *sq.*, 967, 973, 975, 985, 994, 998, 999, 1001, 1002, 1021 *sq.*, 1038, 1078, 1089, 1090, 1091, 1092, 1107, 1111, 1204, 1350, 1351.
rules of 35: 1087.
to office 47: 254 *sq.*
See also **Property.**
- Suck, The**, myths concerning 19: 312, 347, 464 *sq.*
- Suckemos**, — 46: 329.
- Sucking**
practice of, by novices 23: 502.
process of 23: 415.
- Suckling**
of animals 38: § 716.
to an advanced age 38: § 909.
- Suction**, practice of, in disease 38: § 925.
- Sudascon**, Pima ranch 26: 20.
- Sudatories** of Siouan Indians 15: 172.
- Sudis Gigas.** *See* **Warapaima.**
- Suds**
bathing with 23: 178.
making of 23: 178.
making of, by Sia Indians 23: 175.
of yucca used in Navaho medicine ceremonial 8: 251, 257, 258.
plant from which made 30: 93.
- Suet** of mountain goat 35: 429.
- Sufferer's Land**
cession of 18: 666.
history of 18: 667 *sqq.*
- Suffixes**
occurring in basketry terms 41: 398 *sq.*
use of, in Mayan number names 19: 864 *sq.*

Sugar

- cane, cultivation of 38: § 246.
- drink made of 38: § 267.
- making, mention of 33: 100, 101.
- making, pottery used for, in Eastern United States 20: 24, 31 *sqq.*, 58, 60.
- method of obtaining 46: 584.
- mill, mention of 38: § 383.
- source of supply of 42: 692.
- use of, as poison antidote 38: § 930.
- use of, in snake bite 38: § 929.

See also Maple Sugar.

Sugar Bowl, ceremonial tipping of 40: 40.

Sugar Camp, opening of 44: 309.

Sugar Island, reservation of 18: 756.

Sugar Maples

- tapping of 44: 310.
- use of 44: 286.

See also Acer Saccharum.

Sugartown

- Cherokee village of 42: 774.
- encounter at 19: 49.

Suggestions

- for collecting signs 1: 394.
- to collaborators 4: 254 *sqq.*

Suicide

- among the Chickasaw, uncommon 44: 232.
- among the Eskimo 11: 186.
- among the Guiana Indians 38: § 732.
- among the Indians 4: 131 *sq.*; 46: 522.
- among the Kiowa 17: 173, 290, 354.
- among the Omaha, rare 27: 588.
- attempt at 32: 228; 35: 1181.
- occurrence of 30: 227.
- Zufi attitude toward 47: 480.

Suicides deprived of burial 42: 397.

Sukkwan, derivation of the name 26: 408, 409.

Sulcus, an important feature of elbow stone 34: 209.

Sullivan, —, death of, for opposing McGillivray 42: 325.

Sullivan, General —, punitive expedition of 43: 460.

Sullivan, Dennis, appointment of 36: 34.

Sullivan, Jeremiah

Payupki tradition obtained by 8: 40.

reference to 19: 609.

Sullivan County, Tenn., mounds in 5: 75 *sqq.*

Sully, General —, mention of 4: 124.

Sulphur, fragment of, found at Chevelon 22, i: 111.

Sulphur Springs in Tewa country 29: 177, 186, 197, 391.

Suma, work among 19: xvi.

Sumac

black, medicinal use of 42: 659.

medicinal use of 45: 466.

red, medicinal use of 42: 659.

smoked with tobacco 42: 659.

smooth, mention of 33: 99.

smooth, use of 45: 502, 512.

staghorn, use of 44: 292, 344.

use of 44: 292, 369.

use of darts of 19: 494.

use of, for basketry 30: 81.

use of, in ceremonies 30: 97.

wild, in Quivira 14: 591.

See also Rhus Glabra.

Sumach, Upland, medicinal use of 43: 265.

Sumaikoli

appearance of, in spring and summer festivals 21: 96.

association of Kawaikoli masks with those of 21: 96.

ceremony of 21: 22, 23.

cult and priests of 19: 631.

derivation of 21: 125.

description of 21: 96.

identity of sash worn by, with that of Masawuû 21: 96.

spring ceremonial of 21: 55.

summer ceremony of 21: 57.

Sumaikoli Masks

capture of, in Navaho foray 21: 57.

preservation of, in Hano 21: 57.

similarity of Walpi to Hano 21: 55.

Sumara, Wapishana name for a bow 38: § 125.

Sumáripa, Makusi name for falca 38: § 792.

Sumba Mat

knapsack cover 38: § 452.

mention of 38: § 396.

Sumdum, Tlingit tribe

- clans and house groups of 26: 402.
- mention of 26: 396.
- phratries and clans of 26: 399.

Summary

- Eskimo 46: 361.
- of work on Yukon 46: 81.

Summer

- clans of the Zuñi 13: 426, 428.
- prayer-stick making in 21: 83.
- Zuñi mythic origin of 13: 384.

Summer Dance

- description of 47: 82 *sqq.*
- preparations for 47: 82.

Summer Houses, Eskimo types of

- 18: 242, 247 *sq.*, 253, 255 *sq.*, 259.

Summer Seat, Kwakiutl 35: 310, 744.**Summer Shelters of the Navaho** 17: 494.**Summer Solstice**

- observance of 47: 84 *sq.*
- setting of the date for 47: 636.
- See also Solstice Ceremonies.*

Summer Sun Prayer-stick-making,
fraternities taking part in 21: 23.**Summer Village**

- of the Pueblos 16: 92, 156.
- ruins of, on Rio Verde 13: 206.

Summers, L. P., acknowledgment to 42: 759.**Sumner, Col. E. V.**

- ordered to arrest Big Foot 14: 864.
- troops under, in Sioux outbreak 14: 850.

Sumner County, Tenn., remains in 41: 496.**Sumo, Honduras,** method of forming numbers 19: 914 *sq.***Sumo, Nicaragua,** method of forming numbers 19: 915.**Sun**

- a life symbol 43: 60, 68.
- a sky deity 43: 73, 74.
- a supernatural 47: 341.
- among Navaho, in mythology 26: 239.
- among the Pima* 26:
 - disease caused by 265.
 - in mythology 207, 223, 238, 247, 248, 342, 343, 366.
 - in religion 250 *sq.*
 - in song 273, 284, 306, 321.

Sun—Continued*among the Tlingit* 26:

- house group name 402, 405.
- in mythology 448, 452, 453.
- mask of 436.
- name of gaming-stick 444.
- and moon, Eskimo legend of 18: 481 *sq.*
- and moon pyramid 25: 249.
- and moon, Tsimshian myth of 31: 113-116, 117, 727.
- and the young hunter, folktale of 14: 18.
- appeals to, for aid 39: 280, 281.
- as the God of Day 39: 87, 120.
- association of, with success in war 37: 433.
- beliefs concerning 11: 29, 35, 43, 71, 266, 423, 449, 513; 42: 479; 46: 415; 47: 511.
- bringing of Buffalo Maid to Tusayan by 21: 31.
- called "Father" 45: 176.
- ceremonies determined by position of 14: 111; 15: 258.
- ceremony of drawing down 47: 292-300.
- ceremony of Tusayan 15: 272.
- characterization of 37: 440.
- conception of, as a deity 37: 286.
- dramatization of movements of 39: 53.
- dramatization of return of 21: 21.
- drying of pottery in, Eastern United States 20: 52, 54, 56, 59.
- eclipses of 30: 254 *sqq.*
- emblem of, description of bearer of 19: 998.
- emblem of never-ending life 36: 61.
- emblem on pottery from Pueblo ruins, reference to 22, i: 82.
- Eskimo belief in influence of, on men 18: 431.
- greetings to 30: 254.
- in creation legend 27: 570.
- in Menomini mythology 14: 92, 132, 209.
- in Osage legends 27: 63.
- Indian explanation of 1: 24.
- Indian myth concerning 14: 971.
- infants presented to 47: 635.
- Kiowa deification of 17: 237.
- legends concerning 39: 130-136.
- little songs of the 45: 603-605.

Sun—Continued

- moon, star myth, Oraibi 1: 25.
- myth of the Ute 1: 24.
- myths concerning 19: 240, 252-257, 259, 295, 297, 363, 409, 421, 436 *sqq.*, 440, 441; 45: 177, 178.
- names for, in Pueblo language 29: 46.
- Navaho myth concerning creation of 8: 275, 277.
- object of prayers to 43: 38.
- objective embodiment of spirit of 21: 16.
- offering to, in War-bundle feast 37: 429, 430, 449, 457, 467, 505, 535.
- offerings to 47: 319, 527.
- origin of 30: 255 *sq.*
- painting of, on house 35: 807.
- Paiute notion concerning 14: 773.
- personation of, in eagle form 21: 122.
- personification of 14: 1097; 36: 41.
- place of, in Indian religion 42: 482.
- pole, description of the 11: 453, 457.
- prayer sticks made for 47: 274.
- prayer sticks offered to 47: 527.
- prayers to the 14: 915; 47: 47, 48, 125, 635-642.
- primitive conception of 15: 180, 183, 184.
- prominent in Flute ceremony 19: 1005.
- pushed back by pole 32: 352.
- representation of, in Hako ceremony 22, ii: 21, 42.
- representation of, in Hopi pictures 21: 120.
- representations of, Middle Mississippi Valley pottery 20: 91, 100.
- reverence shown to 45: 566.
- sacred regard for 14: 919.
- sacrifice to, among the Kiowa 17: 297.
- Serian and Yuman names for 17: 341* *sq.*
- shield of Tusayan 15: 269, 271.
- signs for 1: 344, 370.
- similarity of symbolism of, to that of Wupamau 21: 91.
- song of the rising 5: 465.
- spirit of 30: 254 *sqq.*
- stations of 47: 342.
- string figure of 38: § 659.

Sun—Continued

- supplication to 39: 120.
- symbol among the Sia 11: 36.
- symbol, cross allied to 17: 623.
- symbol in Hopi drama 16: 300.
- symbol in the codices 16: 222, 233, 235.
- symbol of Tusayan 15: 272, 286.
- symbol on Sikyatki pottery 17: 699 *sqq.*
- symbolism of 14: 905.
- symbolism of, in Hako ceremony 22, ii: 42.
- symbolized in Shell society 27: 512, 513, 559, 562.
- symbolized in tattooing 27: 504.
- symbols of, in Hopi pictures 21: 41 *sqq.*
- Tewa conception of 29: 45-48, 54.
- treatment of, in Hako ceremony 22, ii: 30.
- woodpecker associated with 27: 207.
- worship by the Hopi 17: 699.
- worship by the Plains Indians 14: 578.
- worship by the Peublos 15: 259.
- worship in Tusayan 16: 307.
- worship of, Acoma 47: 64.
- worship of the Antilleans 25: 152 *sq.*
- worship of the, mention of 11: 376, 520; 45: 186; 46: 496.
- worship, references to 28: 47, 48, 116.
- worship, use of Calako masks in 21: 110.
- Zuñi cult of the 47: 511 *sqq.*
- See also Eclipse; God of Day; Moon; Orientation; Sky; Solar Myths.*
- Sun-boy**
 - death of 17: 221, 358.
 - delegate to Washington in 1872 17: 192.
 - house built for 17: 342.
 - in Washington council of 1872 17: 191.
 - shooting of T'ené-zêpte by 17: 335.
 - stealing of horses of 17: 340.
- Sun Carrier Gens**
 - mention of 36: 122.
 - See also Mi-k'in' Wa-noⁿ Gens.*
- Sun Clan**
 - marriages within 47: 38.
 - of Hano, extermination of 21: 57.
 - size of 47: 35.

Sun Dance

- ceremony of 23: 564.
- fasting in 3: 272.
- Kiowa 14: 1080; 17: 237, 242 *sq.*
- Kiowa, decline of 17: 352.
- Kiowa, end of 17: 359.
- Kiowa, purchase of buffalo for 17: 355.
- Kiowa, relation of taíme to 17: 261.
- Kiowa, revival of 17: 353.
- Kiowa, stopping of, by officials 17: 356.
- last, by the Kiowa 17: 221.
- of the Cheyenne 14: 706; 25: XIII *sq.*
- of the Coeur d'Alène 45: 186.
- of the Flathead 45: 386.
- of the Omaha 3: 297, 298, 355.
- of the Siouan Indians 11: 378, 450.
- performance of, at the solstices 45: 293.
- witnessing of 15: XXXIII.

Sun Dance Medicine. *See* Taíme.

Sun Disease, symptoms and treatment of 42: 650.

Sun-dog, term for 29: 48.

Sun Father

- mentioned in prayers 30: 37.
 - reference to 23: 108.
 - shrine of the 30: 35.
- See also* Mythology; Yátokia.

Sun Figure in Powamú ceremony 17: 702.

Sun Fraternity. *See* Sun Prayer-stick making.

Sun God

- dramatization of advent of 21: 57.
 - garment worn by, in picture of Ahül 21: 68.
 - representation of, in Pamürti 21: 26.
 - representation of, in Soyaluña 21: 24.
 - worship of 21: 24.
- See also* Ahül; Calako; Pautiwa.

Sun Gods

- Calako one of the 21: 110.
- explanation of multiplicity of 21: 101.
- similarity of attire of, to that of Sumaikoli 21: 6.

Sun Katchina. *See* Tawa.

Sun Ladders

- appearance of, in Hopi festivals 21: 46.
- in pictures of Hopi katchinas 21: 93.

Sun Masks. *See* Wüwüyomo.

Sun-painting, reference to 28: 191.

Sun People

- of Tusayan 8: 29.

See also Tawa People.

Sun Prayer-stick Making

- description of 21: 21, 22.

See also Tawa Paholawú.

Sun Priests

- assembling of, in Tawa Paholawú 21: 56.
- daily observation of sun by 23: 109.
- observance of continence by 23: 109.
- of Tusayan 14: 518; 15: 258.
- winter ceremony of 21: 31.

Sun-ray Wi'-gi-e, Osage 39: 170 *sq.*

Sun Shrine, description of 23: 117, 118.

Sun Songs

- of the Osage 39: 120-123.
- See also* Sun Dance.

Sun Spring. *See* Tawapa.

Sun Symbols

- occurrence of, as decoration 41: 537, 538.
 - use of, in treatment of the sick 41: 538.
 - worn by girl in Buffalo dance 21: 67.
- See also* Sun, symbol.

Sun Tablet

- appearance of, in pictures of Hopi katchinas 21: 79.
- initial series of, inscription of 19: 801.
- mention of 19: 761-765.

Sun, Temple of the

- at Palenque, face numerals at, value of 22, i: 219 *sq.*
- description of 37: 5 *sq.*
- inscriptions found in 19: 732.
- work done on 41: 31.

Sunbeams in Navaho genesis 17: 488.

Sunbird, taming of 38: § 724.

Sunburn, how prevented by the Zuñi 30: 50.

Sunday

- observance of 42: 516.
- selected for the Ghost dance 14: 824.

Sundevall, F., mention of 46: 373.

Sunfish, string figure of 38: § 700.
Sunfish-shaped Bowls
 found in house circle 41: 594.
 mention of 41: 522.
 toy 41: 548.
Sunflower
 a female man-being in Iroquoian cosmology 21: 174.
 appearance of, in Hopi pictures 21: 64, 106, 112, 120.
 medicinal use of 45: 469.
 mention of 33: 130, 136.
 seed, use of 42: 692.
 stalks, use of, in chimney construction 8: 170.
 symbols on Sikyatki pottery 17: 702.
 use of, in ceremonies 30: 93.
 use of, in medicine 30: 53.
Sunflowerlike Design, Middle Mississippi Valley pottery 20: 91.
Su'ni-a'shiwanni, creation of 23: 445.
Suñoitwa, member of Asa clan, cited 19: 598.
Sunrise, sign for 1: 371.
Sun's House, ceremony at 47: 87.
Sunset, a Mormon town near site of Homolobi, cause of abandonment of 22, i: 21.
Sunset, curious 46: 115.
Sunset God in Navaho mythology 17: 489.
Sunset Indians, name for the Natchez 42: 48.
Sunset Land, myths concerning 19: 463, 465.
Sunshine, signs of 30: 269.
Sunu land cessions and reservations 18: 784.
Supai Indians, work among the 7: XXI.
Supela
 Awatobi legend repeated by 17: 603.
 Snake priest at Walpi 19: 977.
Superhuman Phenomena, definition of 11: 365.
Supernatural
 advisors 35: 1131.
 attached to created things 42: 489.
 attempts to influence the 47: 489.
 gift 35: 944.
 house 35: 1131.

Supernatural—Continued
 power 35: 747.
 power caught in hands 35: 1135.
 power, concept of 37: 281 *sqq.*
 symbols of the 10: 462-468.
 treasure 35: 818, 1093.
 Zuñi attitude toward the 47: 618.
 Zuñi conception of 47: 480.
Supernatural Beings
 Acoma 47: 64-67.
 appearance of, to novices 35: 1182.
 belief in 44: 249 *sq.*; 45: 290.
 beliefs concerning 42: 481-498.
 blindness caused by 31: 463.
 clothed by prayer sticks 47: 500, 844.
 Eskimo belief in 18: 394.
 house of 35: 1185 *sqq.*
 human beings married to 31: 463, 759.
 Iroquois 2: 51.
 Iroquois, Great-Heads 2: 53.
 Iroquois, Stone-Giants 2: 53.
 Isletan 47: 340-345.
 mention of 31: 460; 35: 1182.
 misfortunes foretold by 31: 205, 262, 329, 464.
 summoned by dancing 47: 497.
 world-wide impersonation of 47: 902.
 See also Ghosts; Gods; Spirits; etc.
Superstition Mountains
 Apache attack in 26: 51.
 in Pima legend 28: 43 *sq.*, 50, 52.
 in Pima mythology 26: 233.
 in Pima song 26: 274, 275, 287.
 mountain sheep in 26: 82.
 Pima raids in 26: 52.
 references to 28: 35 *sq.*
Superstitions
 among the Hidatsa 1: 199.
 among the Northern Indians 11: 179, 272.
 among the Mohegan 43: 264-276.
 influence of, on employment of life forms 20: 163.
 regarding burial feasts 1: 191.
 regarding burials 1: 199.
 the most common source of death among Indians 7: 39.
 See also Mythology; Religion; and under different headings.
Superterrene and aerial burial in canoes 1: 171.

- Supplication Songs** 39: 111-114, 220.
- Supplications**
to earth, sky and water 39: 164.
to the sun 39: 120.
to Wa-koⁿ'-da, time for 39: 318.
See also Prayers.
- Supplies**, method of taking, to Walpi mesa 8: 65.
- Supports**
for Eskimo guns 18: 163.
for Eskimo lamps 18: 64.
- "Suppositif" of the "Subjunctif"**
in Montagnais 28: 248, 260.
references to 28: 241, 246, 252.
- Suppositive Mode**, *Algonquian*
in Natick 28: 234, 259, 272 sqq.
in several Algonquian languages 28: 273.
See also Subjunctive Mode.
- Supracondyloid Process** 46: 158.
- Supreme Being**
belief in 30: 117 sqq.
name for 30: 117, 118, 130.
See also God; and references.
- Supreme Court**
decision of, in Cherokee Nation v. Georgia 5: 262.
decision of, in Worcester v. State of Georgia 5: 264; 19: 119, 120.
- Suquamish** land cessions and reservations 18: 798 sqq., 834, 864, 868.
- Sura**, one-story house of Cayenne 38: § 312.
- Sure Revenge**, an Iroquois tale 2: 104, 107.
- Surf**
names for the 33: 316, 627.
personification of 33: 639.
riding the 33: 624, 627, 646, 654, 659.
- Surface Burial**
mention of 1: 138, 139.
of the Crees 1: 141.
of the Ojibwas 1: 141.
of the Sauks and Foxes 1: 140, 141.
of the Sauks, Foxes, and Potawatomes 1: 141.
- Surface Finish**
classification of ware from Pueblo by 22, i: 58-61, 179, 180.
of Pueblo pottery 4: 268.
See also Finish.
- Surfacing Tools** used by the Eskimo 18: 91.
- Surgeon**, mention of, in Spanish army 14: 498.
- Surgery**
practiced by the Chippewa 44: 332-335.
practiced by the Eskimo 9: 423; 18: 309 sq.
primitive, method of 16: 71.
primitive, study of 18: xxxviii, xxxix.
See also Trephining.
- Suriana**, knapsack 38: § 450.
- Surinam**
courtship in 30: 313.
investigation in 30: 107.
- Surrender**, signals for 1: 531, 536.
- Surrounded**, signal for 1: 536.
- Survey**
anthropological, in Alaska 46: 30.
anthropological and archeological 46: 168.
in Seriland 17: 12-21.
of Tusayan and Cibola, methods of 8: 44 sq.
- Susanville, Calif.**, pictographs near 10: 69.
- Suspension**
of earthenware vessels over fire, eastern United States 20: 27, 58, 60.
of earthenware vessels over fire, modification in form to permit 20: 61.
- Suspicion**, sign for 1: 306.
- Susquehanna Company**, vases from land purchased by, from Iroquois 20: 166.
- Susquehanna River**
early tribes of 30: 20.
petroglyphs on the 4: 158.
- Susquehanna Valley**
design from vases from 20: 171.
pipes of 20: 173.
pottery from 20: 165.
resemblance of pottery of, to that of Delaware Valley 20: 176.
- Susquehannocks**
arrows of the 15: 85.
connection of, with Susquehanna Valley pottery 20: 165.
mention of the 42: 706.
treaty with the 18: 572.
use of jasper by the 15: 140.

- Sutaio Language**, reference to 28: 234.
- Sutaquison**, Pima village 26: 20, 30.
- Sūta'si'na**, a Cheyenne division 14: 1025.
- Sūta'ya**, a Cheyenne division 14: 1025.
- Sutherland**, —, on descent of Menomini chiefs 14: 43.
- Sutherland, Dan**, mention of 46: 115.
- Sutherland, P. C.**
cited on Eskimo pathology 9: 40.
work of, consulted 9: 25.
- Sutherland, T. A.**, on Nez Percé war 14: 714.
- †Su'thlan'na**
importance of 23: 598.
two festivals of 23: 578.
- Suti**, a synonym of Sūta'ya 14: 1025.
- Su'ti'ki** (*bird fetish*), ceremony with 23: 100, 101.
- Sutter, Captain** —, on the divisions of the Sacramento tribes 7: 99.
- Sutures**, condition of, in Peruvian crania 16: 25, 29, 30, 32, 34, 35, 36, 37, 40, 43, 49, 52.
- Sûwû'ki O'himal**. *See* Red People.
- Suya**
description of 14: 515.
destruction of 14: 399, 533, 578.
massacre of settlers at 14: 408.
San Hieronimo removed to 14: 502.
- Suyeta**
Cherokee story teller 19: 237.
myths told by 19: 442, 448, 450, 451, 454.
on character of Rabbit 19: 232.
- Sverdrup, H. N.**, mention of 46: 167, 174.
- Swain**, —
on Indian warfare in 1776 19: 52.
on Rutherford's expedition 19: 49.
on Williamson's expedition 19: 50.
- Swain County, N. C.**, Indian occupation of, about 1903 20: 143.
- Swallow, George C.**
cited 12: 664.
report made by 44: 536.
- Swallow**
as a symbol 39: 50.
in Pima song 26: 292-295, 298, 304.
myths concerning 11: 58, 263.
- Swallowing Sticks**
of bone 34: 235.
of the Antilleans 25: 195.
- Swallowtail Flycatcher** in Cherokee lore 19: 285.
- Swamp**
string figure of 38: § 660.
traveling over 38: § 788.
- Swamp Milkweed**. *See* *Asclepias Incarnata*.
- Swan**, —
hostility of, in 1874 17: 204.
surrender of 17: 211.
- Swan, Maj. Caleb**, on racket, Muskogee 24: 606 sq.
- Swan, James G.**
collection of cedar masks in Alaska by 3: 114.
collection of dancing masks in British Columbia by 3: 114, 117, 118, 119.
collection of mask on Northwest coast by 3: 107.
contribution by, on tattooing 10: 402.
description of shell ornaments by 2: 233.
on canoe burial 1: 171.
on dice games, Makah 24: 197.
on Haida tattooing 4: 56, 66-73, 189, 194 sq., 242.
on hand game, Chinook 24: 281.
on Klamath burial 1: 106.
on mask ceremony 3: 100.
on masks 3: 106, 107, 108.
on stick games, Haida 24: 260 sq.
on stick games, Makah 24: 264 sq.
on superstitions 1: 201.
- Swan**
as a symbol 39: 327, 335.
crest animal, Tlingit 26: 417.
in Menomini myth 14: 203.
in story of Shell society 27: 514.
skin, Eskimo lance-point wrappers made of 18: 150.
source of personal names 26: 406, 422.
special connection of, with woman 27: 512.
white, a life symbol 26: 108, 109, 230.
white, as a symbol 39: 214.
white, symbolism of 43: 52 sq.

Swan Creek Chippewa

confederation of Munsee with 18: 821.

land cessions and reservations 18: 758, 812, 820, 834.

Swanton, Dr. John R.

acknowledgments to 41: 494; 42: 739; 48: 29 *sq.*

bulletin by 30: 23.

collaboration of, in comparative Indian linguistics 23: xxxv.

collections made by 33: 36; 39: 27.

comparative vocabulary recorded by 38: p. 5.

contributor to Bureau 48: 1189.

ethnologic researches of 23: xviii; 32: 18.

Haida texts, studies of 23: xxxv.

linguistic researches of 23: xxxiii.

mention of 31: 523, 525, 528; 32: 9; 47: 14.

on archery, Haida 24: 295.

on dice game, Haida 24: 190.

on hand game, Haida 24: 318.

on hoop and pole, Haida 24: 517 *sq.*

on ring and pin, Haida 24: 557 *sq.*

on stick games, Haida 24: 261 *sq.*

papers by 40: 18; 42: 17; 43: 16; 44: 15.

references to 28: 226; 40: 375; 41: 571.

study of Alabama, Hitchiti and Choctaw by 35: 18.

systematic research by 33: 18.

translation by 41: 507.

work of 22, i: xii, xxxii *sq.*; 24: xx, xxv, xxvi, xxxii; 25: x, xii, xvi *sq.*, xxii; 26: xviii, xxi; 27: 8 *sq.*; 28: 12 *sq.*, 22; 29: 13 *sq.*, 21; 30: 10, 15, 18, 22; 31: 11; 32: 18 *sq.*; 33: 18 *sq.*; 34: 13 *sq.*, 26; 35: 18; 36: 13; 37: 10 *sq.*; 38: p. 4 *sqq.*; 39: 13 *sq.*; 40: 4 *sq.*; 41: 7, 31, 40, 54 *sq.*, 83, 105 *sq.*; 42: 6 *sq.*; 43: 6; 44: 4; 45: 1; 46: 3, 16; 47: 2; 48: 5.

Swanton, John R., and Halbert, Henry S., bulletin edited by 36: 29.

Swastika

a primitive number symbol 19: 840 *sq.*

Swastika—Continued

appearance of, in pictures of Hopi kateinas 21: 114.

figures on Sikyatki pottery 17: 703.

in Pima pottery 26: 136, 137, 140.

on pottery 28: 139 *sq.*

significance of the 15: cxviii.

symbolism of the 15: xxx.

wide range and diversity of, among American aborigines 22, i: xv *sq.*

See also Filfot.

Swear Words 35: 793 *sq.*

Sweat Bath

a necessary part of Indian medicine 9: 455.

as a purification rite 42: 627.

before hunting 42: 445.

before medical treatment 14: 149.

description of 27: 585 *sqq.*; 42: 300.

efficacy of 14: 104 *sq.*

importance of 14: 117.

in initiation ceremony 37: 371.

in treatment of the sick 42: 626.

manner of taking 44: 331.

mystic origin of 14: 92.

Navaho method of taking 17: 500.

preliminary to Ghost dance 14: 787, 803, 822.

use of, among the Cherokee 7: 333 *sq.*

use of, among the Eskimo 18: 287.

use of, among the Kwakiutl 35: 702.

use of, at Zuni 30: 42, 53, 61; 47: 506.

use of, description of 14: 822.

See also Steaming; Sweat Houses; Sweat Lodge.

Sweat-house Baskets, term for 41: 396.

Sweat Houses

in Navaho ceremonial, description of 8: 239.

made of mats 13: 19.

of the Coeur d'Alène 45: 62.

of the Flathead 45: 333.

of the Navaho 17: 499.

of the Nenenot 11: 300.

of the Okanagon 45: 229.

of the Omaha 13: 274.

use of 46: 425.

See also Âsi; Sweat Lodge; Vapor Bath.

- Sweat Lodge**
 basket used in 41: 201.
 buffalo skin in front of 14: 980.
 ceremonial, of the Arapaho 14: 989.
 construction of 14: 117.
 form of 37: 105.
 Ghost song reference to 14: 981.
 mention of 1: 586.
 of the Arapaho 14: 960.
 of the Menomini 14: 255.
 of the Midewiwin, use of 7: 204, 258.
 of the Siouan Indians 15: 172.
 of the Sioux, description of 14: 822.
 purpose of 42: 710.
 use of, in Ghost dance 14: 798.
 use of, in Hako ceremony 22, ii: 26.
 use of the 14: 981.
See also **Sweat Bath; Sweat Houses.**
- Sweat Lodge Ritual**
 of Medicine Dance 37: 368.
 of the Omaha 27: 571-578, 609.
 of the War-bundle feast 37: 428, 429, 447.
- Sweatland, S. H.**
 census of Cherokee in North Carolina in 1869 by 5: 314.
 East Cherokee census by 19: 172.
- Sweden**, petroglyphs in 10: 173 *sqq.*
- Swedenborg**, on primitive language 1: 288.
- Swedes**, Omaha name for 27: 612.
- Swedish** policy toward Indians 18: 587 *sq.*, 591 *sq.*
- Sweeney, Albert E.**
 resignation of 43: 19.
 work of 36: 29, 32; 37: 28; 38: p. 19; 39: 25; 40: 18; 41: 18, 42, 71, 94, 114; 42: 17.
- Sweet, A. T.**, collections presented by 41: 73, 116.
- Sweet Bay**, medicinal use of 42: 664.
- Sweet Cicely**
 mention of 33: 107.
 use of 44: 290.
See also **Osmorrhiza Claytoni.**
- Sweet Clover** 33: 91.
- Sweet Fern**, medicinal use of 43: 264.
- Sweet Flag**
 medicinal use of 27: 584.
 mention of 33: 69.
- Sweet Grass**
 mention of 33: 66.
 use of 44: 294, 378, 380 *sq.*; 45: 86, 503.
- Sweet Pea**, wild 33: 98.
- Sweetheart**, game to find 38: § 621.
- Sweetroot**, use of 45: 480.
- Sweetwater Ruin**
 chief of 26: 24.
 in Pima mythology 26: 227.
 in Pima song 26: 281.
- Swellings**, method of treatment of, by Zuñi 30: 49, 50, 53, 54, 55, 56.
- Swestmann, E.** 46: 36.
- Swielpee**, a Colville synonym 14: 732.
- Swift, H.**
 on gentes of the Blackfeet 15: 219, 220.
 on gentes of the Minikooju 15: 220.
 on gentes of the Two Kettles 15: 220.
- Swilling, Lieut. Jack**, at El Picacho 26: 48.
- Swimmer**
 life of 19: 236 *sq.*
 myths told by 19: 236, 430, 431, 435, 436, 438, 440, 442, 443, 448, 450 *sqq.*, 454 *sqq.*, 461 *sqq.*, 466, 468-474, 477, 480, 481, 483, 494, 495, 501.
 on dagûl'kû geese 19: 439.
 on mounds and constant fire 19: 501 *sq.*
 songs obtained from 19: 504.
- Swimmer Manuscript** of Cherokee formulas 7: 310, 312.
- Swimming**
 as an Omaha amusement 27: 369 *sq.*
 indispensable for Carib captain 38: § 748.
 of the Nenenot 11: 320.
 of the Siouan Indians 15: 172.
 of the Tsimshian 31: 409.
 skill in 42: 399.
 taught to Chickasaw children 44: 240.
- Swinahmish**, *See* **Dwamish.**
- Swine**, taboo of, as food 42: 518; 44: 254.
- Swing**
 babies placed in 40: 319.
 of Omaha children 13: 276.

- Swing**—Continued
 played by the 24:
 Arapaho 730.
 Dakota, Teton 731.
 Pawnee, Skidi 730.
 Wichita 730.
- Swinomish**, population of 7: 105.
- Swinomish Reserve**
 change in 18: 864.
 establishment of 18: 800.
- Swiss Lake Dwellers**, use of flakes by 13: 171.
- Swiss Lake Dwellings**, fabrics from 3: 403, 412, 413, 418, 420.
- Swisshelm Mountains**, field work in 22, i: XIII.
- Swivels** on Eskimo hitching lines 18: 210.
- Sword, George**
 account of Ghost dance by 14: 796.
 acknowledgment to 14: 655.
 delegate to Washington 14: 891.
 on advent of the Messiah 14: 816.
 on Sioux knowledge of the Messiah 14: 819.
 on Wounded Knee massacre 14: 885.
 vision of 14: 821.
- Sword, Jennie**, survivor of Wounded Knee 14: 879, 880.
- Sword**
 blades, keeper of 23: 451.
 swallowing of, by fraternity father and novice 23: 457.
 swallowing of, ceremony preceding 23: 457.
 swallowing of, dance accompanied by 47: 115 sq.
- Sword-bearer**
 account of 14: 706.
 effect of affair of, on the Crow 14: 816.
 origin of name 14: 706.
- Sword Fern**, use of 45: 499.
- Sword Order**, performances by man of 23: 503.
- Sword Swallowers**. *See* 'Hle'wekwe.
- Sword Swallowers' Fraternity**
 account of 30: 38.
 medical practice of 30: 59.
- Sword-swallowing**. *See* **Sword**.
- Sycamore Basin**, reference to 28: 200.
- Sycamore Canyon**, ruins in 28: 195, 199 sq.
- Sycamore Creek**, references to 28: 194, 201.
- Sycuan Reserve**, establishment of 18: 884.
- Syenite**, Eskimo ornaments made of 18: 49.
- Syllabaries**
 and alphabets 10: 664-675.
 development of 10: 664 sq.
 mention of 4: 13.
- Syllabary**
 Cherokee 19: 219 sq.
 Cherokee, casting of characters of 19: 111.
 effect of, in Cherokee development 19: 110 sqq.
 Fox, principle of, explained in Boas Anniversary Volume 40: 27.
 introduction of, among Western Cherokee 19: 138.
 invention of 19: 108 sqq.
 opposition to introduction of 19: 351.
 reference to 40: 357.
See also **Syllabaries**.
- Symbolic**
 masks 3: 75, 93.
 paraphernalia 15: 169.
 scarification and maiming 15: 169.
 types of art, study of 22, i: xvii sq.
- Symbolic Man**
 explanation of 45: 577 sq.
 songs of 39: 267-271.
 songs referring to 39: 183, 304.
 the personification of the tribe 39: 364.
 tribal unity represented by 39: 101, 118, 300, 304, 311.
- Symbolism**
 animal, of Eskimo 18: 450.
 ceremonial, in Shaker religion 14: 761.
 color, in Ghost dance 14: 919.
 color, in Smohalla ritual 14: 725, 729.
 definiteness of, in pictures of Hopi kateinas 21: 59.
 development of 10: 609 sq.
 earth, turtle the representative of 14: 976.
 in form and decoration 20:
 Eastern United States pottery, 61, 62, 64, 65, 66, 67.

Symbolism—Continued

- in form and decoration 20—con.
- Florida Peninsula pottery 118, 126 sq.
- Gulf Coast pottery 113 sq.
- Middle Mississippi Valley pottery 85, 100 sq.
- South Appalachian pottery 136, 138.
- in Siouan art 15: 176.
- Keresan 33: 267, 270.
- Kiowa 16: LXVI.
- mention of 4: 154–221.
- method of obtaining information about 21: 14.
- mnemonic, invented by Smohalla 14: 720.
- of American aborigines, office researches relating to 22, i: xv sq.
- of an amulet 14: 905.
- of birth names 43: 31 sq.
- of buffalo robe 43: 54 sq.
- of cardinal points 30: 46.
- of cedar 14: 809, 979.
- of colors 30: 64; 45: 418 sqq.; 47: 862.
- of corn 47: 121.
- of decorating the Xo-ka 43: 34.
- of feathers 47: 127, 481, 863.
- of hair cutting 43: 87–94.
- of hair dressing 43: 54, 55.
- of hawk 45: 529.
- of Hopi helmets 15: 263.
- of Hopi kilts 15: 295.
- of masks 47: 517.
- of names of sacred societies 13: 371.
- of natural phenomena 14: 905.
- of Omaha tattooing 45: 531.
- of prayer sticks 47: 127, 524.
- of the buffalo 14: 980.
- of the cross 14: 1011.
- of the Ghost dance 14: 920.
- of the Indian 13: xxiii.
- of the planets 14: 823.
- of the Tewa 29: 41 sqq.
- of vegetation 30: 36.
- of Zuñi and Moki, comparison of 15: 309.
- on Ghost shirts 14: 823.
- Patki 33: 267.
- predominance of, in primitive technique and decoration 21: xvi, xvii.

Symbolism—Continued

- Seri 17: 164*–179*.
- Siouan 11: 427, 523.
- use of, in Snake and Flute rites 19: 1010 sq.
- value of pottery in study of 20: 19.
- water, in Pueblo pictography 16: 126.
- See also* **Animal; Cloud Symbols; Day Symbols; Life Symbols.**

Symbols

- adopted rather than invented 4: 460.
- animal, use of 46: 412.
- clan, paintings of 42: 235 sq.
- distinguished from signs 1: 388.
- Hano epoch 33: 217.
- intended to influence supernatural beings 33: 256.
- Keres 33: 270.
- of authority 38: § 751.
- of cardinal points 3: 7–64.
- of cardinal points, Mexican 3: 47.
- of flight 4: 129.
- of life or death in carvings 3: 113.
- of office 47: 60.
- of the Ho^{n'}-ga subdivision 39: 147.
- of the supernatural 10: 462–468.
- of the Tsi'-zhu division 39: 147.
- of the Wa-zha'-zhe subdivision 39: 147.
- on masks, Hopi skill in painting 21: 13.
- painted on clothing 45: 193.
- pottery of Sikyatki and Middle Mesa almost identical 33: 219.
- quatern, wide range and diversity of 22, i: xv sq.
- religious, discussion of 33: 274.
- Sikyatki, imitations of, in modern pottery 33: 218.
- Sikyatki, modern demand for 33: 218.
- tattooed on body 45: 193 sq.
- Tewa 33: 270.
- See also* **Life Symbols; Mayan; Old Age, symbols of; Peace Symbols; Symbolism; War Symbols; Warrior Symbol.**

Symmetry

- absence of mechanical devices for giving, among American aboriginal potters 20: 50.
- in arrangement of design 41: 284, 285, 286, 287, 296.

Symmorphs

in signs 1: 343.

mention of 4: 239.

Symphony

development of 19: LXXIII sq.

*See also Music; Song; Songs.***Symphoricarpos Albus**

medicinal constituents of 44: 305.

medicinal properties of 44: 303.

mention of 45: 455, 458, 489, 511.

use of 44: 293, 346, 348.

Symphoricarpos Occidentalis 33: 116.**Symphoricarpos Racemosus** 45: 470, 513.**Symphoricarpos Symphoricarpos** 33: 116.**Syngenous Similarities** 3: LXVI.**Synonyms in signs** 1: 341.**Synonymy**

of Indian tribes, work on 7: xxxiv sqq.; 8: xxviii.

of the Caddo 14: 1092.

of the Cheyenne 14: 1023.

of the Comanche 14: 1043.

of the Kiowa 14: 1078; 17: 148.

of the Kiowa Apache 17: 245.

of the Paiute 14: 1048.

of the Siouan stock 17: 128* sqq.

of the Sioux 14: 1057.

tribal, of Cherokee 19: 15 sq., 19, 182, 187, 351, 378, 382.

tribal, work on 13: xxxv.

work in 11: xxxi; 14: xlv; 15: xxii, xxv, xxix, xxxiii, xxxiv, xxxvii, xxxviii, xlii, xliii, xlvi, xlvii, lii, lvi, lx, lxiii, lxvii, lxxix; 16: xx, xxiii, xxvii, xxxi, xxxvi, xxxviii, xl, xliv, xlvii, li.

*See also Cyclopedia.***Syntax**, sign language with reference to 1: 359.**Syphilis**

among the Pima and Maricopa 26: 264, 268.

among the Western Eskimo 46: 362.

how treated by the Zuñi 30: 44, 49, 57, 60.

remedy used for, Creek 42: 668.

skulls showing 46: 321.

Syrian Symbols 10: 616 sqq.**Syringe made by the Chippewa** 44: 332.**System**

of chronology attempted by Indians 4: 127.

of kinship, Omaha 3: 252-255.

System of Spelling of the Bureau of American Ethnology 4: 17.**Syujtun**

called Yuchi 44: 55.

location of 44: 31, 35.

meaning of the name 44: 31, 35.

mention of 44: 35.

mention of, by Bancroft 44: 49.

mention of, by Father Paloú 44: 49.

Portola expedition at 44: 39, 42 sq., 44.

reached by Anza expedition 44: 47.

ruined villages near 44: 36.

Santa Barbara Indian village 41: 107, 108.

site of, abandoned by Indians 44: 55.

Szicheff, Captain —, cited as to Kadiak labrets 3: 90.**T****Ta**, Tlingit sleep spirit 26: 418.**Ta'a**, Pima chief at Sweetwater 26: 24.**Tâaaialana**

description of ruins of 8: 89 sqq.

flight of Zuñis to, during Pueblo revolt 8: 89.

mesa of, temporarily occupied 8: 223.

relation of K'iakima to 8: 85.

stone inclosures at base of 8: 85.

Tâaiyalone

a stronghold near Zuñi 14: 390.

*See also Thunder Mountain.***Ta-a'túkam Mountain** 26: 25, 255.**Tabacaro**, Pima chief 26: 21.**Tabai**

arrowhead 38: § 128.

wooden bench 38: § 328.

Tabara-huih, drink 38: § 271.**Tabasco**, ruins of, inscription of 19: 806.**Tabebuia Longipes**, white cedar, gum 38: § 23.**Tabeguache Uta** land cessions and reservations 18: 828, 848, 893.

Täbinä'naka

Comanche councilman in 1888- 17: 221.

in Caddo fight of 1860. 17: 308.
surrender of 17: 211.

Täbinshi, visit of, to Wovoka 14: 807.

Table Creek, treaty of 18: 818.

Table Mountain in Pima song 26: 296, 331.

Table Mountain Region, California, field work in 20: x.

Table Rock, treaty of 18: 788.

Tableau des Bacab

mention of 3: 7-65.
scheme of the 3: 13.

Tables

not used in Pueblo houses 8: 212, 214.

of the Guiana Indians 38: § 332.

Tablet

appearance of, as headdress, in pictures of Hopi kateinas 21: 105.

appearance of, in Hopi pictures 21: 64, 102, 112, 118-120.

Palenque 3: 63, 64.

See also Tablets.

Tablet of the Cross

initial series of inscriptions of 19: 800.

mention of 19: 733-761.

Tablet of the Foliated Cross

initial series of inscriptions of 19: 801.

mention of 19: 765-771.

Tablet of the Sun

initial series of inscriptions of 19: 801.

mention of 19: 761-765.

Tablets

inscribed 12: 632-644.

of sun and moon, used in dances 47: 306.

perforated, description of 15: 103.

perforated, forms of 2: 264.

perforated, made of shell 2: 264, 367.

perforated, manner of burial of 2: 265.

perforated, method of attachment of 2: 266.

perforated, perforations of 2: 265.

perforated, theories concerning use of 2: 264.

Tablets—Continued

perforated, undetermined character of 2: 264.

stone, Casa Grande 28: 125.

stone, of the Northwest, probable age of 20: 193.

See also Tablet.

Tablita Dancers, dress of 21: 58.

Tabo or Rabbit Clan

advent of, at Walpi 19: 585.

association of, with Piba clan 19: 601.

member of Patki group 19: 596.

Tabo-Piba Group

advent of, at Walpi 19: 585.

component clans of 19: 583.

Tabong-maria, back or lower surface of Arawak fan 38: § 367.

Taboo

absence of, among the Tutelo 15: 244.

among the Cherokee, illustrations of 7: 331 *sq.*

among the Indians 15: 202 *sqq.*

among the Iowa Indians 11: 426.

among the Mandan 15: 241, 242.

among the Omaha 11: 411.

among the Sia 11: 19.

among the Siouan Indians 15: 176, 177.

concerning roots 45: 185.

connected with pregnancy 45: 278.

during Sun dance 17: 296.

Eskimo, concerning women in childbirth 9: 415.

Eskimo, of certain foods to certain persons 9: 433 *sq.*

Eskimo, on the occasion of a death 9: 423 *sq.*

food, in disease 38: § 919.

food, in mourning 38: § 831.

food, in travel 38: § 802A.

food, mention of 38: § 276.

in savagery 16: 21.

mention of 10: 504 *sq.*

of animals among the Algonquian 14: 64 *sq.*

of animals by the Menomini 14: 44.

of certain articles in Ghost dance 14: 788, 798, 916, 921.

of cliff-ruin timber by the Navaho 16: 166.

Taboo—Continued

- of Comanche names 14: 1044.
- of fire in certain Ghost dances 14: 802.
- of grave 38: § 832.
- of Kiowa words 17: 152.
- of mother-in-law 15: 243; 45: 172, 382.
- of names by the Kiowa 17: 210, 231, 345, 346, 349, 355, 390.
- of names, Guiana Indian 38: § 802A, 881.
- of parents-in-law 15: 225; 37: 135.
- of property 38: § 737.
- of salt and meat 15: 284.
- of teindi hogan 17: 487.
- of women 38: § 857.
- of work during snake hunt 17: 639.
- to the taíme 17: 243, 323.
- See also* **Taboos**; and references given there.

Taboos

- against killing rattlesnakes 42: 169.
- against killing totem animals 42: 168 *sq.*
- at summer solstice 47: 538.
- at winter solstice 47: 623.
- children instructed as to 27: 122.
- concerning dancers 47: 184.
- concerning initiation ceremonies 47: 74.
- concerning masks 47: 845.
- concerning offerings 47: 501.
- concerning sacred objects 47: 502.
- concerning smoking 47: 100.
- concerning town chief 47: 257.
- concerning women 46: 524.
- concerning work 47: 799.
- connected with busk 42: 554, 563, 573, 591, 601.
- connected with fire 42: 599.
- connected with hunting 42: 445, 516 *sq.*
- discussion of 44: 254.
- distribution of 27: 137.
- during ceremonies 47: 132.
- during retreat 47: 515.
- effect of violation of 42: 630.
- fire 47: 535.
- food 44: 254; 47: 502, 530
- for doctors 47: 111.
- for house for sick people 35: 719.

Taboos—Continued

- for medicine-men 42: 621.
- for participants in ceremonies 47: 93.
- for pregnant women 47: 213.
- for prospective fathers 47: 214.
- hunting 47: 257, 338.
- meaning of the term 27: 136.
- mention of 42: 517-521.
- of birds 27: 42, 161, 365.
- of black bear 27: 160.
- of buffalo, head of 27: 149, 159, 162.
- of buffalo, tongue of 27: 155, 283.
- of buffalo-horn spoons 27: 339.
- of buffalo (male) 27: 47.
- of canoe builder 35: 615.
- of charcoal 27: 148, 178, 254.
- of clay 27: 172.
- of corn, red ear of 27: 147, 252, 254, 261.
- of crane 27: 154.
- of creeping insects, bugs, worms, etc. 27: 186, 188.
- of deers 27: 358.
- of elk 27: 143, 144, 145, 194, 358, 589.
- of fetus of animals 27: 175, 176, 184.
- of hunter 35: 639.
- of hunter's wife 35: 637.
- of husband of pregnant woman 35: 649.
- of paint, green or blue 27: 43.
- of parents of twins 35: 673, 685.
- of snakes 27: 45, 172.
- of soot 27: 172.
- of swan 27: 154, 273.
- of tezhu' 27: 161.
- of the Cherokee 19: 462.
- of the Corn clan ceremony 47: 94.
- of the Eskimo 18: 440.
- of the Omaha gentes 3: 225, 230, 231, 235, 237, 238, 239, 240, 241, 244, 245, 248.
- of verdigris 27: 169, 178.
- on killing 47: 286, 338 *sq.*
- periods of 47: 534.
- Pima, during puberty period, women 26: 182.
- Pima, eating of salt 26: 191.
- Pima, ground squirrels 26: 81.
- Pima, in lustration ceremonies 26: 204 *sq.*

Taboos—Continued

- Pima, in pregnancy 26: 185.
 Pima, neglect of, fatal 26: 193.
 Pima, regarding myths 26: 206.
 Pima, top knot quail 26: 80.
 place 47: 502.
 punishment for violation of 27: 144.
 regarding names, exception to 47: 647.
 regarding pregnancy 47: 132 sq.
 relating to death 47: 504.
 result of breaking 47: 236.
 sexual 47: 50, 236, 286, 503.
 sexual, Kwakiutl 35: 521, 522, 615, 639 sqq., 741.
 Tlingit, pertaining to warfare 26: 449, 450.
 Zuñi, discussion of 47: 501-506.
See also Animals; Food; Mother-in-law; Poison; Rattle; Taboo; Totem-animal; Water; Women.
- Taboui**, large meeting house of Cayenne 38: § 312.
- Tabu(s)**, *See* **Taboo(s)**.
- Tabulu**, drum 38: § 579.
- Tabusera**. *See* **Genipa**.
- Tacab**
 description of 21: 98.
 part taken by, in Pamürti festival 21: 29.
 personation of, at Nacab kiva in 1893 21: 50.
 representation of, by Telavai 21: 81.
 resemblance of, to Tacab Yebitcai 21: 98.
- Tacab Añya**, description of 21: 88.
- Tacab Añya Katcina Manas**, appearance of, in Palülükofiti festival 21: 44.
- Tacab Katcinas**
 dance of, in Palülükofiti 21: 50.
 personification of, in Wikwaliobi kiva 21: 30.
 Powamû dance by 21: 33.
 similarity of mask of Teük to that of 21: 108.
- Tacab Naactadji**, description of 21: 97.
- Tacab Tenebidji**, description of 21: 97, 98.
- Tacab Yebitcai**
 description of 21: 98.
 resemblance of, to Tacab 21: 98.

- Tacaca**, a preparation of cassava 38: § 248.
- Tache** land cessions and reservations 18: 782.
- Tachikuga** 46: 194.
- Taciturnity** of the Indians 46: 326.
- Tade'ata** subdivision (Konⁿ'çe), account of 27: 169, 170, 197 sq.
- Tadpole Dance**, performance of 42: 577, 603.
- Tadpole Type** of mounds 37: 100.
- Tadpoles**
 appearance of, in pictures of Hopi katecinas 21: 96.
 figures of, on Sikyatki pottery 17: 658, 677.
 in Pima song 26: 294.
 myth concerning 19: 311.
 use of, in decoration in Hopi festivals 21: 47.
- Taensa**
 customs of the 42: 687, 701, 702.
 regarded by Du Pratz as kindred to the Na'htchi 7: 66.
 temple of 41: 507.
 tribe and language of 7: 96.
 tribe, habitat of 7: 97.
- Tag, Game of**
 played by the Eskimo 18: 338.
 played by the Fox 40: 299, 339.
- Tägish**, language of 26: 396.
- Tä'gugala**, Kiowa Apache synonym 17: 245.
- Tagu'i or Tagúi**, Kiowa name of the Kiowa Apache 14: 1081; 17: 245.
- Tägukerésh**, Kiowa Apache synonym 17: 245.
- Ta'gwădihî'**
 Cherokee story teller 19: 237.
 myths told by 19: 430, 442, 443, 456, 466, 469, 470, 471, 501.
- Tägyä'ko**, Kiowa name of the Northern Arapaho 14: 955.
- Taha**, house built for 17: 342.
- Tahaitan** and Central American linguistic similarities 16: 236.
- Taha'to'itizhi Subdivision** of Ni'ka-pashna (Ponca) 27: 44.
- Tahchee**
 attack on Osage at Fort Gibson 19: 141.
 emigration of, into Texas 19: 141, 143.
 McKenney and Hall on 19: 137.

- Tah-Coo-Sah-Fixico**, a chief of a Creek town 24: 607.
- Tahirussawichi**
Hako ceremony as given and explained by 22, ii: 26-278.
sketch of 22, ii: 14, 15.
- Tahlequah**
selection of, as Cherokee capital 19: 135-147.
treaties at (1861, 1866) 19: 148, 150.
Yuchi living near 19: 385.
- Tahlkan**. *See* **Stick Indians**.
- Tahltan Indians**
collections obtained from 29: 21.
mention of 41: 133, 135.
- Tahmokmi**, Eufaula war captain 42: 34.
- Tahookatookie** in Texas, union of, with Cherokee 19: 143.
- Tahus**, a tribe in Culiacan 14: 513.
- Tāh-zee**, an Apache synonym 1: 142.
- Tāiakwin**, a Zuñi village 7: 139.
- Tai'-āq**, sketch of the 14: 742.
- Taigh**, a Tai'āq synonym 14: 742.
- Ta-ih**, a Tai'āq synonym 14: 742.
- Ta'ikawahu**, keeper of pack (Ponca) 27: 439.
- Taike**, block-shaped dancing club 38: § 593.
- Tai-kie-a-pain**, a Taitinapam synonym 14: 739.
- Taíme**
a Kiowa "medicine" 17: 238, 240.
capture of, by Osage 17: 259.
description of 17: 324.
keepers of 17: 228.
source of 17: 155, 156.
taboos of 17: 323.
violation of rules of 17: 296, 310.
- Taímete**, a taíme priest 17: 241, 340, 351.
- Tainan**, explanation of the term 25: 26.
- Tainan Culture**
of Porto Rico 34: 56.
origin of 34: 252.
submerged by the Carib 34: 267, 268.
See also **Agricultural Epoch; Arawak**.
- Ta'-I-ni-ka-shi-ga Gens**
life symbol of 36: 96.
office of 39: 93.
- Ta'-I-ni-ka-shi-ga Gens**—Con.
personal names of 43: 128 *sqq.*
wi'-gi-e of 36: 95-98.
- Taino**, meaning of the term 25: 26.
- Taiowa**, statuette of, at Shipaulovi altar 19: 995.
- Tairou**, necklace of Omphalea seeds 38: § 535.
- Tairtla**, a Tai'āq synonym 14: 742.
- Taitnapam Tribe**
and Klúkatāt affinity 14: 738.
area held by the 41: 383, 384.
mention of the 41: 136.
sketch of the 14: 739.
- Taitt**, —
hot house described by 42: 179.
reference to 42: 189.
square described by 42: 185.
- Tai'vo**, Shoshonean name for the whites 14: 978.
- Tai'xnapam**, basketry of the 41: 136.
- Taiyarribi**, a beater in hammock making 38: § 469.
- Tajako-mario**, front or upper surface of Arawak fan 38: § 367.
- Tajanyato**. *See* **Warrau**.
- Tajike** "ear," the handle of a fan 38: § 367.
- Ta'ka-i**, Kiowa name for the whites 14: 978.
- Taká-i-bodal**, treaty signed by, in 1867 17: 186.
- Takatoka**, aid given by, in introduction of syllabary 19: 138.
- Takelma Language**
data on 28: 15.
grammatical notes on 26: xxv.
paper on 36: 30.
See also **Takilma**.
- Takhtam**, numbers of 19: 870, 923, 930.
- Takilma**
habitat and population of 7: 121.
See also **Takelma**.
- Takilman Family**, mention of 7: 121.
- Ta-ko**, "use of the word 39: 186 *sq.*
- Takpabu**, corn in picture of Yehoho called 21: 106
- Taku**, *Tlingit* tribe
account of the 26: 412.
clans and house groups of 26: 403, 415.

- Taku**, *Tlingit* tribe—Continued
 mention of 26: 396.
 phratries and clans of 26: 399.
 population of 7: 87.
- Taku Harbor**, transportation apparatus from 18: 222.
- Takwane'di**, *Tlingit* clan
 a branch of Gānaxa'di 26: 408.
 crest of 26: 418.
 phratry and tribe of 26: 398.
- Takulli**
 games of the 24:
 dice games 97.
 hand game 272 *sqq.*
 hoop and pole 420, 460 *sq.*
 snow-snake 409.
 stick games 236 *sqq.*
 unclassified games 781 *sq.*
- Takuškanškan**, belief in 11: 445.
- Takwa-artam**, Pima goddess 26: 38.
- Takwatihi** or **Catawba-Killer**, Cherokee formulas furnished by 7: 316.
- Tal Mutcasi**
 information from 42: 488, 547, 589.
 medicine maker 42: 488.
- Talahasutci**, feast held at 42: 535.
- Talakin**, association of, with Matia 21: 104.
- Talamatin**. *See Wyandot.*
- Talassee**, escape of, from destruction (1780) 19: 58.
- Talc**. *See Serpentine.*
- Tales**
 composite character of 47: 359.
 of personal experience 47: 443-460.
 of witchcraft 47: 425-443.
 Spanish 47: 413-424.
 time for telling 47: 359.
 written of Alfred Kiyana 40: 27.
See also Folk Tales; Mythic Tales; Myths; Nursery Tales; Stories; Story.
- Tali**, mention of 42: 324.
- Taliafero**, Miss —, work of 25: xxv.
- Talimeco**
 mound at 42: 175.
 ossuary of 42: 438.
- Talirpingmiut Eskimo Tribe**, situation of 6: 424.
- Talisman-Trophies**, Seri 17: 259* *sqq.*
- Talismans**
 made of clothing of head chief 42: 432.
- Talismans**—Continued
 nature of 30: 288-291.
 of the Apache 9: 587-590.
 of the Eskimo 11: 197; 18: 434-441.
See also Amulets; Charms.
- Tali'wa**, battle of 19: 38, 384.
- Talkativeness**
 medicine to induce 30: 91.
 punishment for 30: 198, 204, 209, 251.
- Talkers, Fluent**, gestures of 1: 275.
- Talking Tree** in Pima mythology 26: 342, 343, 376 *sqq.*
- Tall**, pictograph for 10: 601 *sq.*
- Tall Bear**, hammer used by 14: 975.
- Tall Bull**, Cheyenne delegate to Wovoka 14: 775, 900.
- Talladega**
 allocation of clans in beds at 42: 201-204.
 arrangement of square ground of 42: 205.
 battle of 19: 91.
 clan councils of 42: 123.
 clans of, furnishing chiefs and henihas 42: 192.
 clans, phratries and moieties of 42: 158 *sq.*
 plan of ceremonial ground of 42: 206.
 position of beds at 42: 198.
 Upper Creek White town 42: 123, 254.
- Talladega Creek**, mention of 42: 39.
- Tallahassee**, treaty of 18: 736 *sqq.*
- Tallahassee Hatchee Creek**, mention of 42: 39.
- Tallahasutci**, a Red town 42: 255.
- Tallahasutci Seminole**
 a White town 42: 126, 257.:
 allocation of clans in beds at 42: 201-204.
 arrangement of square ground of 42: 233, 286.
 clan councils of 42: 126.
 clans of, furnishing chiefs and henihas 42: 193, 194.
 clans, phratries and moieties of 42: 161 *sq.*
 plan of ceremonial ground of 42: 233, 287.
 position of beds at 42: 199.

Talla-hogan

meaning of 17: 594.

Navaho name of Awatobi 17: 594.

See also Awatubi.

Tallapoosa River

mention of 42: 39, 593.

Muskogee settled on 42: 45.

settlement of Shawnee on 42: 47.

Tallaseehatchee. *See* Tallasi-hutch-
chee.**Tallasi-hutch-
chee**

battle of 19: 91.

name for Tulsa Creek 42: 39.

**Tallasi-hutch-
chee River**

mention of 42: 37.

See also Tallasi-hutch-
chee.

Tallchief, Alex., jr., mention of 45:
609.**Tallchief, Henry,** mention of 45:
609.**Tallege'wi**

meaning of the name 19: 19, 184
sq., 378.

See also Synonymy.

Tallegwi

and Cherokee relationship 5: 60.

as mound builders 4: 84.

identification of, with Toltecs by
Dawson 12: 599.

Tallesey King, a Tulsa chief 42:
322.**Tallies**

or notched sticks in Great Britain
10: 228.

See also Tally Sticks.

Talliguamays, reference to 28: 209.**Tallinche** land cessions and reserva-
tions 18: 782-822.**Tallow**

cakes of 35: 429 sq.

for hardening horn or wood 35:
108, 144, 146, 148, 150, 151, 156,
165.

for painting face 35: 899.

for protection from cold 35: 431.

for protection from mosquitoes 35:
205.

for protection from sunburn 35:
431.

mention of 35: 635.

**Tal-lo-wau-thlucco Tus-tun-nug-
gee,** warrior of the Creek nation
42: 328.**Tallulah Falls,** myth concerning 19:
346, 417 sq., 481.**Tally, N. D.,** mounds on plantation of,
Alabama 12: 290.**Tally-hogan**

burial ground 5: xxiii.

mention of 3: xxi.

Tally Sticks

consecrated 39: 77.

See also Tallies.

Talmutcasi

a Red town 42: 255.

allocation of clans in beds at 42:
201-204.

arrangement of square ground of
42: 211, 222.

clans of, furnishing chiefs and heni-
has 42: 192.

clans, phratries and moieties of
42: 158 sq.

position of beds at 42: 198.

Talon, Indian policy of 18: 546 sq.
549.**Talootiske**

Cherokee grant of 5: 193.

See also Taluntiske.

Tālqoe'di, *Tlingit* clan

affinity of 26: 423.

crest of 26: 417.

history of 26: 411 sq.

phratry and tribe of 26: 399.

Taluntiske

cession of reserve for 18: 696.

reservation for 18: 670.

See also Talootiske.

Tālwa

use of the word 42: 276.

virtually self-governing 42: 276

Tālwa Mikagi

extension of the term 42: 250 sq.

name for White towns 42: 250.

Tama, acknowledgments to 14: 655.**Tamahno-us,** patron spirit of hand
game, Nisqualli 24: 299.**Tamale**

an Indian food 23: xii.

use of mush in 30: 76.

Tāmāli Miko, chief of the Upper
towns 42: 330.**Tamanac Indians**

belief in God of the 30: 118, 136.

legends of the 30: 145, 149 sq.

Tamanaques Indians, legends of the
10: 33.

- Tāmanā'rayāra**, Shoshoni name of the Ghost dance 14: 791.
- Tamarack**
use of 44: 290, 377.
See also **Larix Laricina**.
- Tamarai**, Makusi knobbed composite-arrow 38: § 138.
- Tamaroa** land cessions and reservations 18: 664, 692, 742.
- Tamaulipas, Mexico**
expedition of Dr. J. W. Fewkes 26: xv sq.
value of mounds at 25: 282.
- Tamer Dance** 35: 738, 739.
- Tamesi River, Mexico**, remains found near 26: xv, xvi.
- Taming of Animals** 38: § 716.
- Taminy**, sale of land by 18: 596.
- Tāmisi**, Kiowa name of Battey 17: 193.
- Tampa Bay, Fla.**
occurrence of pottery resembling that of Mississippi Valley at 20: 81.
thick-rimmed bowls found near 20: 112 sq.
- Tampico, Mexico**.
mounds near 25: 271-277, 282.
remains near 26: xvi.
stone idols from 25: 280; 26: xvi.
- Tampico Viejo, Mexico**, ruins near 26: xv.
- Tamuchi**, headman, chief 38: § 740.
- Tañ towa**. *See* **Sun Clan**.
- Tanaba Basket** 38: § 415.
- Tanacetum Vulgare**
medicinal constituents of 44: 305.
medicinal properties of 44: 303.
use of 44: 293, 342, 354, 358, 362.
- Tanana**. *See* **Wood Cricket**.
- Tanana**
dwellings of 46: 82.
mention of 46: 133, 134, 135, 148, 149, 150.
mission at 46: 42.
potlatch at 46: 38, 42.
remains at 46: 81.
the town of 46: 42.
- Tanana Indians**
character of 46: 124.
mention of 46: 42, 83.
numbers of 46: 124, 125.
physical characteristics of 46: 124.
- Tanana River**
birch-bark dishes of 46: 37.
discovery of 46: 123.
Indians residing on 46: 40, 130, 133.
natives of 46: 124.
scenery and features of 46: 40, 41.
scientific exploration of 46: 124.
villages on 46: 125.
- Tānā'ráyūn**, Shoshoni name of the Ghost dance 14: 791.
- Tandy, M.**, pottery collected by 20: 188.
- Tane'di**, *Tlingit clan*
crests of 26: 417.
names of 26: 422.
phratry and tribe of 26: 399.
- Tanga** or bead apron 38: § 546.
- Tangā'c**, Tlingit town 26: 397, 408.
- Tañgiapa**, death of 17: 293.
- Tān-gúādal**, death of 17: 325.
- Tani'bānēn**, a Caddo synonym 14: 1092.
- Tani'bātha**, a Caddo synonym 14: 1092.
- Tanik**
mask of, kept by Walpi Pakab clan 21: 95.
resemblance of, to Wupamau 21: 95.
- Tāni'ma**, a Comanche band 14: 1045.
- Tanintauei**, an Assiniboin division 15: 161.
- Taniwha**, a mythic monster 16: 214.
- Tā'n-kōñkya**, death of 17: 318.
- "**Tanks**," battle at 26: 54.
- Tanner, Edward**
on amounts of wild rice harvested by Ojibwa 19: 1074.
on Ojibwa cutting wild rice 19: 1065.
on Ojibwa gathering wild rice 19: 1061.
on Ojibwa storing wild rice 19: 1072.
on Ojibwa thrashing wild rice 19: 1067.
on Ojibwa tying wild rice 19: 1058.
on Ojibwa use of wild rice in Minnesota 19: 1035.
on Ojibwa winnowing wild rice 19: 1071.
on time of year when Ojibwa consume wild rice 19: 1087.
on wild rice in Fox River 19: 1034.

Tanner, John

cited on Indian headdress 9: 555, 556.

cited on Indian powders 9: 513.

cited on Indian sacks of human skin 9: 484.

cited on scratching by Indians 9: 490.

on dependence of fur traders on wild rice 19: 1103.

on dice game, Ottawa 24: 82.

on hidden ball, Ottawa 24: 344 *sq.*

on Indian thanksgiving feasts 19: 1091.

on Ojibwa name of Gros Ventres 14: 955.

on Ottawa wild rice moon 19: 1089.

on synonym for Menomini 19: 1048.

on Tenskwatawa among the Ojibwa 14: 677.

on the Shawano prophet 14: 673.

Tanner's Spring, Ariz., Pueblo ruin near 22, i: 127.

Tanning

by the Menomini 14: 261.

description of 37: 119 *sq.*

of skins by the Eskimo 18: 116 *sqq.*

primitive method of 11: 294.

process of 27: 342, 345.

Tanning Stones 13: 94.

Tano Indians

a Pueblo tribe 14: 523.

agriculture of the 29: 512 *sq.*

clan of, compulsory migration of 19: 605 *sq.*

early homes of 29: 469, 471, 479, 481, 508 *sqq.*, 512 *sq.*, 548 *sqq.*, 551 *sq.*, 553.

general data on the 29: 254 *sqq.*

history of Galisteo 29: 483.

migrations of 19: 611.

ownership of turquoise deposits by 29: 493.

pottery of the 29: 466.

Tewa name for 29: 576.

Tanoan

clans, reference to 28: 159.

colonists, introduction of East Mesa Natackas into Tusayan by 21: 71.

migrations to Tusayan 17: 578, 600, 636.

Tanoan—Continued

names for Hopi katecinas 21: 122 *sqq.*

no Tewa equivalent for 29: 576.

pueblo, buffalo dance at 21: 43.

pueblos, Katecina cult in 47: 900.

Tanoan Añya Katecinas, dance of, in Palülüköñti 21: 50.

Tanoan Katecinas

adoption of, among the Hopi 21: 18.

Nüvak regarded as one of the 21: 83.

Tanoan Pueblos. *See* Tanoan, *pueblo.*

Tanoan Stock

mention of the 7: 121 *sqq.*

one Tusayan pueblo belonging to 7: 110.

tribes of the 24:

Tewa 190, 192, 367, 395, 558, 643, 680, 728, 747, 797.

Tigua 190, 195, 369, 518, 642, 748, 775, 798.

T'āñpe'ko, a Kiowa military order 14: 989; 17: 230.

Tansy

medicinal use of 43: 266.

use of 44: 293.

See also Tanacetum Vulgare.

Tansy Mustard Clan

size of 47: 35.

See also Asa Clan.

Tantaquidgeon, Gladys

assistance rendered by 43: 260.

contributor to Bureau 48: 1189.

mention of 43: 213.

paper by, on Mohegan superstitions 43: 264 *et seq.*

petition in possession of 43: 220.

Tantaquidgeon Family

descent of 43: 204.

mention of 43: 229.

Tanunak or Tanunuk 46: 194, 251, 252.

Taos Indian

beneficent spirits of 47: 344.

cardinal directions of 29: 42.

conception of the sun and moon by 29: 46.

dances of the 29: 179, 184.

habitat of the 29: 172.

language of the 29: 37.

language of, Shoshonean affinities of 7: 122.

Taos Indian—Continued

- name of earth 29: 52.
- name of Milky Way 29: 51.
- name of Tewa 29: 576.
- pigment used by the 29: 175.
- population of the 7: 123.
- sacred lake of the 29: 178, 184.
- sacred mountain of the 29: 178.
- visit of, to Washington 34: 28.

Taos Pueblo, N. Mex.

- a many storied pueblo 16: 155.
- act of Congress affecting 18: 720.
- architectural character of 13: 195.
- called Valladolid by Spaniards 14: 511.
- ceremony after eclipse obtained at 31: 15.
- circular kivas at 16: 175.
- collections from 2: 464; 28: 20.
- defensive character of 13: 215.
- field work at 27: 7 sq., 11.
- formerly partly inhabited by the Tewa 8: 37.
- Ghost dance at 14: 805, 926.
- iron-tooth club of, description of 13: 144.
- material from, preparation of 45: 4.
- mention of 14: 525.
- mention of, by Jaramillo 14: 587.
- name for Acoma at 14: 492.
- researches in 28: 10, 11.
- situation of 2: 429.
- visit of Alvarado to 14: 575.

Taouari for bark shirts 38: § 539.**Tapa' Gens**

- account of 27: 177-183.
- funeral customs of 27: 358.
- war pack from 27: 434.
- See also* names of several groups.

Tapänäsh, sketch of the 14: 740.**Tapara**, Wapishana knobbed composite-head arrow 38: § 138.**Tapa'xti**, account of 27: 178, 179 sq.**Tapia y Rivera**, Ovideo's *Historia* reprinted by 25: 23.**Tapir**

- characteristics of 30: 367 sq.
- charms made from 30: 368.
- hunting of 38: § 174.
- legends of 30: 134 sq., 226, 227, 245, 260, 265, 294.
- origin of 30: 227.
- use of hide of, for shields 38: § 116.
- use of hoofs of, as bells 38: § 575.

Tapir—Continued

- use of hoofs of, as medicine 38: § 928.

Tapkhaig, mention of 46: 202.**Tapkhalik**, mention of 46: 199.**Tapolo**

- an Awatobi chief 17: 603, 611.
- reference to 19: 601.

Tappan, S. F., treaty commissioner 17: 183.**Ta'pteal**, application of name 14: 739.**Tapuyo Indians**, propitiation by the 30: 329.**T!a'q!dentān**, *Tlingit town*

- crests of 26: 417, 418.
- phratry and tribe of 26: 399.

Taq!djik-ān. *See Tuxican.***Taqêstina'**, *Tlingit clan*

- crests of 26: 417.
- history of 26: 413, 414.
- phratry and tribe of 26: 400.

Taq!hît tăn, *Tlingit clan*, phratry and tribe of 26: 399.**T!āq!aka-ān**, *Tlingit town* 26: 397.**Tar Wolf**

- distribution of myth of 19: 233 sq.
- myth of 19: 271 sq., 450.

Tarahumara. *See Tarahumare.***Tarahumare**

- cave dwellings of the 3: 349.
- foot-racing among the 14: 247.
- games of the 24:
 - archery 383, 389.
 - ball race 666, 672-677.
 - dice games 152.
 - double ball 648.
 - hidden ball 339.
 - quoits 722, 724 sq.
 - shinny 631.

- language, work on 15: LXI, LXXXV; 16: XXXVII, XXXIX, XLI.

- marriage customs of the 17: 286*.

- method of counting 19: 868, 878, 879, 911, 922, 929.

- obtaining of information concerning 19: xvi.

- swiftness of the 17: 125.

- work among the 19: xvii.

Tarahumari. *See Tarahumare.***Taramakondi**, Arawak name for lateral edge of fan 38: § 367.**Taramiruna**, horizontal portions of hammock frame 38: § 465.

- Tarasca**, a district in Michoacan 14: 473.
- Tarascan** or **Michoacan**, numbers of the 19: 874, 878, 880, 909 *sq.*, 931.
- Taratu**, the wrestling-shield champion 38: § 608.
- Tarau**, jagged simple-head arrows 38: § 135.
- Taraxacum Officinale**
 medicinal constituents of 44: 305.
 medicinal properties of 44: 303.
 use of 44: 293, 360.
- Tarenetzky, A.** 46: 235, 237, 333, 355, 373.
- Tapeóment**, habitat of 9: 46 *sq.*
- Tareque**, Indian village on Great Plains 14: 577.
- Tă-rhuⁿ-hiyiă-wăh-kuⁿ**, holder of the heavens 2: 52.
- Targets**
 of the Nenenot 11: 326.
 woven 13: 18.
- Tari**, timber of, for bows 38: § 125.
- Tariána Indians**, burial customs of the 30: 158.
- Tarimba**, monochord musical instrument 38: § 571.
- Tarleton, General** —, attempted invasion of North Carolina and Virginia by 19: 56 *sq.*
- Tarma**, trephined crania from 16: 13, 14, 15.
- Tarpon Springs, Fla.**
 pottery from 20: 126, 127.
 pottery resembling that of 20: 110 *sq.*, 128.
- Tarred Stones**, mention of 44: 91.
- Tartarraz**, name of Indian chief 14: 492.
- Tartars**
 magic drums of the 10: 514-517.
 notice of warning by 10: 357.
 use of dogs by 14: 571.
 use of notched sticks as records by 10: 228.
- Tă'sawi**, treaty signed by, in 1867 17: 186.
- Ta'sawiks**, a Pălus village 14: 735.
- Tascaluça**, dwelling of, on mound 42: 175.
- Tashin**, a Kiowa Apache synonym 17: 245.
- Ta'shin**, Comanche name of the Kiowa Apache 14: 1081.
- Tasikayălgi**, position of 42: 301.
- Tasikaya's Bed.** *See* **Youth's Bed.**
- Taskigi**
 Cherokee relations with 19: 388 *sq.*
 tribe of Creek Confederacy 19: 498 *sq.*
See also **Tuskegee.**
- Tasquiguy**
 given protection by the Creeks 42: 46.
See also **Tuskegee.**
- Tasquiqui**, Spanish visit to 19: 29, 389.
- Tassel**, murder of 19: 65, *sq.*
- Tassig's Farm**, mound on 44: 412.
- Tassin, A. G.**, drawing and explanation of petroglyphs by 10: 95.
- Tassne Island.** *See* **Isla Tasna.**
- Tăstănăgi Hopai**, speaker for the Lower Creeks 42: 328.
- Tăstănăgis**
 ceremony of inaugurating 42: 298-301.
 concerned with war 42: 305.
 duties of 42: 297 *sq.*
 mention of 42: 40, 42.
- Tastanėgy.** *See* **Tăstănăgis.**
- Taste**, terms of 27: 110 *sq.*
- Tasyirioni Wheeleri.** *See* **Maguey.**
- Tăsyŭkpun**, Great Lake, Alaska, description of 9: 29 *sq.*
- Tatábo**, timber of, for boats 38: § 794.
- Tătălt**, number names of 19: 871.
- Tatanka Iyotanke**, native name of Sitting Bull 14: 860.
- Tataukyamŭ**
 a Hopi priesthood 17: 611.
 appearance of, in New-Fire ceremony 21: 73.
 religious society of Walpi, source and census of 19: 623, 628.
- Tataukyamŭ Fraternity**, ceremonies celebrated by 21: 23.
- Tatcukti**, a Hopi clown priest 17: 659.
- Tatcŭkti**
 appearance of, in Hopi festivals 21: 24.
 appearance of, in picture of the Nako-pan hoyă 21: 117.
 appearance of, in Powamŭ festival 21: 39.
 description of 21: 100, 101.

- Tatcuktû**, ancient order of priests 19: 631.
- Tate**, —
 information from 31: 483 sq.
 mention of 31: 32.
 on crests of Ganha'da 31: 504.
 on crests of the Eagle group 31: 503 sq.
 on crests of the G-is pawadwe'da 31: 505 sq.
 on crests of Wolf group 31: 504.
 on houses of the G-is pawadwe'da 31: 506.
- Tate, Z. A.**, mounds on land of, Georgia 12: 315.
- Tatnah** land cessions and reservations 18: 786.
- Tatnall, E. F.**, appointed to assist in Cherokee removal 5: 260.
- Tatqunma**, the proper form of Thatuna 14: 745.
- Tat'sitûk**, Pima village 26: 23.
- Tattoo Decoration.** *See* **Indenting.**
- Tattoo Designs**
 representation of, on death's-head vases 20: 97 sq.
 resemblance of incised designs of pottery to, Potomac-Chesapeake province 20: 151.
- Tattooed Indians**, Friar Marcos visited by 14: 356.
- Tattooed People**, a name of the Wichita 14: 1095.
- Tattooing**
 a common practice 45: 87, 88.
 a mark of dignity 46: 449.
 according to sex 45: 404 sq.
 age for 45: 405 sq.
 among the Antilleans 34: 230, 232.
 among the Eskimos 9: 138 sqq.; 11: 207; 18: 50 sqq.
 among the Kiowa 17: 159.
 among the Mandan 17: 159.
 among the Okanagon 45: 236.
 among the Omaha 27: 219 sqq.; 45: 531.
 among the Osage 27: 219 sqq.
 among the Pima 26: 161 sq.
 among the Plains Indians 14: 506.
 among the Siouan tribes 11: 486; 15: 169.
 as a mark of honor 27: 503-509.
 at puberty 45: 169.
 custom of 46: 522, 592.
- Tattooing—Continued**
 designs used in 45: 87 sq., 408-417.
 disappearance of custom of 45: 403.
 distribution of 45: 405.
 mark of nobility 31: 53.
 mention of 3: 80, 146; 4: 49, 63-78, 86, 183, 252.
 methods of, among Osage 45: 531 sq.
 objects of 45: 406 sq.
 on the face 38: § 509.
 on the other portions of the body 38: § 510.
 power derived from 45: 193 sq.
 practice of 42: 686.
 practice of, among Indians 14: 516.
 prevalence of 45: 404.
 references to 27: 613, 615.
 signature 27: 494.
 significance of 10: 391-419.
 summary of, studies on 10: 418 sq.
 symbolic 45: 341.
 use of, among the Arabs 10: 414.
 use of, by ancient monarchs 10: 407 sq.
 use of, in ancient Rome 10: 408.
 war honors indicated by 42: 170, 306.
- Tattooing Rite**, future publication on 36: 73.
- Tatum Lawrie**
 acknowledgment to 17: 147.
 Kiowa agent 17: 226, 329, 331.
 on Set-ängya 17: 331.
 Wichita interpreter to Wovoka delegation 14: 903.
- Tauyau**, grant of land to 18: 686.
- Tauyaudautauson** 18: 686.
- Tâva Kosuwa**, Apache-Pima fight at 26: 45.
- Tavanimó**, Pima head chief 26: 20, 196.
- Tä'vibo**
 account of 14: 701, 764.
 Wovoka's account of 14: 771.
- Ta-vwots**, fight of, with the sun, a Shoshoni myth 1: 52, 56.
- Tawa** (1), Makusi name for a light gray clay 38: § 591.
- Tawa** (2)
 association of flute with 21: 101.
 description of 21: 100, 101.
- Tawa Fraternity**, ceremonies celebrated by 21: 23.

- Tawa Paholawû**
 summer, description of 21: 56.
 winter 21: 31.
See also Sun Prayer-stick Making.
- Tawa People**, former inhabitants of
 Homolobi 22, i: 24.
- Tawa (Sun) Phratry**, southern origin
 of 17: 529.
- Tawa wimpkya**. *See Sun Priests.*
- Tawa wüqtaka**, identity of, with
 Ahül 21: 122.
- Tawakoni**, a Wichita subtribe 14:
 1095.
- Tawákoni**, treaty signed by, in 1837
 17: 169, 251.
- Tawákoni, Jim**, judge of Indian court
 17: 221.
- Tawapa**
 ceremonies performed at 21: 52.
 meeting place in Pamürti 21: 27.
 similarity of Walpi festival at, to
 those of March festival 21: 84.
- Ta-waut**, Wapishana harpoon arrow
 38: § 142.
- Tawe'hash**, a synonym of Wichita
 14: 1095.
- Tawinide Ritual**, performance of
 47: 313 sq.
- Tawiskaron**, a man-being in Iro-
 quois cosmology 21: 305, 307,
 309, 310, 324, 327, 332.
- Tax** symbol, phonetic value of 16:
 259.
- Taxgwa's**, a Tlingit mythological be-
 ing 26: 460.
- Taxidea Taxus**, eaten by the Pima
 26: 80.
- Taxumulco**, probably Isleta 47: 204.
- Taxus Brevifolia**, mention of 45:
 499, 500.
- Taxus Canadensis**, use of 44: 293,
 362.
- Taya**, vegetable poison extract 38:
 § 735.
- Täyäkwoip**, treaty signed by, in 1867
 17: 186.
- Tayassu Angulatum Sonoriense**,
 eaten by the Pima 26: 80.
- Tay-e-he-dah Mounds** and village
 sites 37: 99.
- Taylor, Lieutenant** —, at surrender of
 Big Foot 14: 867.
- Taylor, Major** —, at battle of Prophet's
 Town 14: 688.
- Taylor, Alexander S.**
 on Jemez 29: 403.
 on Pojoaque 29: 334.
 on the Esselen vocabulary 7: 75,
 76.
- Taylor, Mrs. Fannie**, specimens col-
 lected by 38: p. 12.
- Taylor, H. R.**, sketch furnished and
 information communicated by
 10: 82 sq.
- Taylor, J. M.**, mounds on land of,
 Arkansas 12: 239.
- Taylor, J. M.**, stone graves in western
 Pennsylvania mentioned by 12:
 697.
- Taylor, Miss Marian**, information
 furnished by 24: 167, 662, 704.
- Taylor, Nathaniel G.**
 commissioner to treat with Cher-
 okee 5: 340, 352.
 treaty commissioner 17: 183.
- Taylor, Capt. Richard**, part taken by,
 in Creek war 19: 97.
- Taylor, Rev. Richard**
 on Maori lizard-god 16: 214.
 on Maori symbolism 16: 226.
 on New Zealand 4: 49, 56, 74,
 76, 88, 164.
- Taylor, W. J.**, on Tennessee mounds
 3: xxiv.
- Taylor Collection**, mention of 34:
 11, 81, 86.
- Taylor House Mounds**, location of
 37: 99.
- Taywaugh Language of Lane** 7:
 122.
- Tazewell County, Va.**
 petroglyphs in 10: 121 sq.
 pictographs in 4: 33.
- Tcabaiyo**, mention of 21: 71, 75.
- Tcacca**, Pima name for Pichaco
 Mountain 28: 36.
- Tcakwaina**
 derivation of 21: 125.
 description of picture of 21: 125.
 mask of Asa clan 19: 612.
 masks, possession of, by Küküte clan
 21: 29.
 resemblance of, to Héheé 21: 74.
- Tcakwaina Clan**
 claim of, to Tcakwaina katchinas as
 clan ancestors 21: 45.
See also Asa Clan.

Tcawkaina Katcinas

personages participating in dances of
21: 62.

Powamû dance by 21: 33.

Tcawkaina Mana

derivation of 21: 125.

legend of 21: 63.

Tcawkaina Taadta, derivation of
21: 125.

Tcawkaina Taamu, description of
picture of 21: 63.

Tcawkaina Yuadta

derivation of 21: 125.

description of picture of 21: 63.

Tcawkainaki, home of Asa clan 19:
610.

Tcawkainas, personification of, in
Pamûrti 21: 27.

Tcamahia

flat stone implements, in Walpi
Snake dance 19: 982.

mythic Hopi clan, mention of 19:
589.

Tcamahia Clans, Hopi, reference to
28: 159 sq.

Tcanaû

appearance of, in Palûlûkoñti 21:
52.

derivation of 21: 125.

description of 21: 91.

similarity of mask of Wupamau to
that of 21: 91.

similarity of meal bag of, to that of
Snake priests 21: 91.

See also Sabi.

Tcanaû Katcina, appearance of, in
Palûlûkoñti 21: 54.

Tcatcawkaina Kokoiamû, personation
of, by Tcawkaina kateinas
21: 45.

Tcatcawkaina Mamantû, personation
of, by Tcawkaina kateinas
21: 45.

Tcatcawkaina Taamû, personification
of, by Tcawkaina kateinas
21: 45.

Tcatcawkaina Tatakti, personation
of, by Tcawkaina kateinas 21:
45.

Tcatcawkaina Yuamû, personation
of, by Tcawkaina kateinas 21:
45.

Tcatoksofka

a White town 42: 254.

Tcatoksofka—Continued

allocation of clans in beds at 42:
201-204.

arrangement of square ground of
42: 212, 233.

belief of, concerning busk 42: 547.

ceremony of, in setting up ball post
42: 545.

clans of, furnishing chiefs and heni-
has 42: 192.

clans, phratries and moieties of 42:
158 sq.

position of beds at 42: 198.

Tceewâge. *See Peña Blanca.*

Tcernatsing, a legendary Pima chief
26: 45 sq.

Tcewadi, original home of Hano clans
19: 614.

Tchactas. *See Choctaw.*

Tchilouit, a Tlaqluit synonym 14:
740.

Tchung-kea. *See Chunkey.*

Tchupare, sting ray, leaf plate 38:
§ 453.

Tciju

a division of the Osage 37: 181.

a division of the Ponca 37: 181.

and Ictasunda, identical terms 37:
181.

Tcilikomato, description of 21: 116.

Tciloki Clans

origin of 42: 113.

relation of, to Red towns 42: 196 sq.

use of eagle feathers by 42: 495.

Tcilokigâlgî

a Creek moiety 42: 157.

nicknames for 42: 157.

Tcîndi Hogans of the Navaho 17:
487.

Tcino, garden of, at Sikyatki 17:
638, 640, 648.

Tcîpiya Pueblo, location of 22, i: 23.

Tcitahaiâ Dance

performance of 42: 604, 605.

See also Feather Dance.

Tcivato Kiva

bird personification in 21: 30.

corn planting in 21: 52.

Hopi festival performed in 21: 36.

Tcivere, twofold organization of 37:
181.

Tciwe're

division of the 15: 162.

migration of the 15: 198.

- Tciwere Cults**
 description of 11: 423.
 traditions of 11: 430.
- Tcokofa**
 description of 42: 177-181.
 description of council of 42: 536.
 structure of roof of 42: 180.
See also Hothouse; Rotunda.
- Tco'kūt Nak.** *See* Owl Ear.
- Tcolawitze**
 derivation of 21: 125.
 description of picture of 21: 61.
 personation of, in Pamūrtil 21: 26, 27.
- Tco'-oltūk.** *See* Casa Grande.
- Tco'-otcuk Ta'tai,** Pima chief at Casa Blanca 26: 24.
- Tcosbuci**
 derivation of 21: 85, 125.
 description of 21: 85, 86.
- Tcoshoniwū (Tcino)**
 antelope priest, description and function of 19: 984, 985.
 prominent Snake priest 19: 977.
- Tcosobi or Jay Kiva,** roof timbers of 8: 120.
- Tcotcoyuñya,** first ceremonial day of Hopi festivals 21: 20.
- Tco'ûtēik Wu'tēik,** Maricopa village 26: 22.
- Tco'ûtēik Wu'tēik,** Pima village 26: 22.
- Tcowastālgī,** affiliations of 42: 122.
- Tcūa,** language of, different from modern Hopi 21: 18.
- Tcūa (Snake) Clan**
 advent of, at Walpi 19: 585 sq.
 description of 21: 110.
 serpent effigies kept in house of 21: 51.
- Tcūa Fraternity,** ceremonies celebrated by 21: 23.
- Tcūa Group**
 clans of, census of 19: 587 sq.
 component clans of 19: 582.
 original home and early migrations of 19: 587-590.
- Tcūa Mana,** ancestress of Snake clan 19: 965.
- Tcūatikibi**
 description of 21: 57.
 derivation of 21: 20.
- Tcūb,** description of 21: 103.
- Tcūb Fraternity,** ceremonies celebrated by 21: 23.
- Tcūb Katsina,** similarity of symbolism of, to that of Sowiñwū 21: 103.
- Tcūbkwitcalobi**
 name of, origin of 22, i: 33.
See also Chaves Pass Ruins; Jettipehika.
- Tcūbwimpkia,** a religious society from Tokonabi, at Walpi 19: 623 sq.
- Tcūelawū,** derivation of 21: 125.
- Tcuf'-Haowo-o,** Pima chief 26: 24.
- Tcuhu** in Pima legend 28: 48 sq., 50, 51, 52.
- Tcuhuki,** description of 28: 101, 149.
- Tcuka Falaha,** a warlike people 44: 195.
- Tcuka Falaha Division,** house groups of 44: 204.
- Tcūkane'dī, Tlingit clan**
 crest of 26: 416, 432.
 history of 26: 412 sq.
 names of 26: 422.
 phratry and tribe of 26: 399.
 standing of 26: 408, 427.
- Tcukapelli,** description of 21: 115.
- Tcukilissa,** a peaceful timber people 44: 195.
- Tcukilissa Division,** house groups of 44: 204 sq.
- Tcukubi**
 foundation of 19: 596.
 founded by Patuñ clan 19: 626.
 settlement of 19: 595.
- Tcukubot,** description of 21: 91.
- Tcukuwimpkya**
 appearance of, in Hopi festivals 21: 24.
 cult, mention of 19: 631.
- Tcu'narsat,** Pima chief at Gila Crossing 26: 24.
- Tcu'nyim,** Pima spirit of disease 26: 106.
- Tcupatāk,** Pima village 26: 22.
- Tcurikváaki,** ruin near Adamsville, Ariz. 28: 35.
- Tcutcutū**
 appearance of, in Hopi festivals 21: 24.
 description of 21: 67.
- Tcu-unarsat',** Pueblo chief 26: 279.

- Teüwimpkia**, a religious society from Tokonabi, at Walpi 19: 623 sq.
- Teuwut Hakûtäny**, exploit of 26: 41.
- Teuwut Marka**. *See* **Earth Doctor**.
- Tcu'wutukawutûk**, Pima village 26: 22.
- Te Clan**, mask of. *See* **Pohaha**.
- Te Ika a Maui**, or New Zealand, by Rev. R. Taylor, cited 4: 49, 56, 57, 74, 76, 88, 164.
- Tea**, Indian, mention of 33: 102.
- Teaching among the Indians** 7: 35.
- Teams, Dog**, mention of 11: 241.
- Teamster's Tea**
beverage made of 30: 67.
Pima medicine 26: 80.
use of, in medicine 30: 49.
- Teapot**, vessels resembling, Middle Mississippi Valley group 20: 93 sq.
- Teayo**. *See* **Castillo de Teayo**.
- Tebenkof, M. D.** 46: 127, 209.
- T'ébodol**
acknowledgment to 17: 147.
age and position of 17: 163.
distribution of property of 17: 354.
in Cheyenne massacre 17: 272.
in war raids 17: 258, 259.
information furnished by 17: 146.
on the K'úato massacre 17: 157.
- Tebowúki**, an early pueblo of the Fire people of Tusayan 8: 20.
- Tebugkihu**, or *Fire house*
description of 8: 57.
fragments of passage wall at 8: 181.
- Tebungki River**, visited by Dr. J. W. Fewkes 37: 7.
- Teçin'de Gens**
account of 27: 175 sqq.
birth customs of 27: 115.
See also names of the several divisions.
- Technic**
activities, research in 17: xxx sq.
development of Seri 17: 10, 115, 198* sqq., 205* sq., 215*.
- Technique**
modification of ornament by 4: 460-465.
of basket-making, coiling 41: 159-167.
of basket-making, terms used for 41: 390 sqq.
- Technique—Continued**
of basket-making, types of 41: 138.
pottery-making, methods of gaining knowledge of 20: 48 sq.
value of study of pottery-making in study of evolution of 20: 48.
- Technolithic Stage**
definition of 15: 251 sq., 253; 18: xxxviii.
features of 19: xxi sq.
- Technology**
classification of 15: xix.
collation of early records of 23: xxxii.
definition of 16: xvii; 20: xxix.
earliest stages of 21: xvii, xviii.
office work in 22, i: xix-xxiii.
paper on, by J. W. Powell 20: xxix-lviii.
relation of, to esthetology 18: xxxix.
subject matter of 19: xii.
work in 18: xxxiv-xxxix; 19: xx sqq.; 20: xiii-xvii; 23: xxvi-xxxii.
- Tecolotl**
day symbol, discussion of 16: 252.
definition of 16: 252.
- Tecoma sp.** *See* **Hackia**.
- Teçon'ha**. *See* **White Buffalo Hide**.
- Tecpatl**
day symbol, discussion of 16: 258.
meaning of 16: 228.
- Tecpila Nahuatl** day symbol, discussion of 16: 254.
- Tecumseh**
incident from life of 42: 76 sq.
mention of 42: 735.
- Tecumtha**
account of 14: 681.
address of, to Harrison 14: 721.
among the Menomini 14: 55.
defeat of 14: 689.
end of 14: 691.
etymology of 14: 681.
joins the British army 14: 690.
later career of 14: 690.
life of 19: 215 sq.
meaning of name of 19: 442.
pipe of 14: 248.
war message to Menomini by 14: 18.
work of, among the Creeks 19: 87 sq.

- Tecomwas Family**, mention of 43: 224.
- Tee-Lao**, definition of 16: 240.
- Teeth**
 blackening of 42: 685.
 deformation of 38: § 502.
 Eskimo 46: 213-228, 264 *sq.*, 309, 359.
 Eskimo ceremonial objects made of 18: 399.
 Eskimo, decay of 46: 92.
 Eskimo implements made of 18: 80, 82, 110.
 Eskimo, mutilation of 46: 83.
 Eskimo ornamentation with 18: 59, 211.
 injured by certain seeds 30: 330.
 of the Indians, condition of 44: 500.
 of the Pima 26: 160.
 prominence of, in mask of Yohozro 21: 84.
 Seri use of 17: 152* *sq.*
 use of, in necklaces 45: 82.
 worn as trophies 16: 21.
See also Tooth.
- T'ega'xe Society**, description of 27: 486.
- Tegg, William**
 on antiquity of cremation 1: 143.
 on Towers of Silence 1: 104.
- Tegua** or Taywaugh language 7: 122.
- Tegua Map** 4: 158.
- Teguayo**, mythic, reference to 29: 572.
- Tegui**, branch of the Opata Indians 14: 537.
- Tehabi**
 description of 21: 70.
 participation in Powamû festival by 21: 67.
- Teh-Toot-sah**, Catlin's name for Dohaşän 17: 268.
- Tehuelche Tribe**
 field work among the 20: xi.
 investigation of the 21: xii.
- Te-inikashikithe Gens**, Kansa 27: 67.
- Teit, H. W.**, paper by 42: 17.
- Teit, James A.**
 assistance of 40: 12.
 contributor to Bureau 48: 1189.
- Teit, James A.—Continued**
 data collected by 24: 157, 254, 552, 742; 41: 143; 45: 25.
 obituary of 48: 1221.
 on archery, Thompson Indians 24: 390.
 on cat's cradle, Thompson Indians 24: 773 *sq.*
 on dice games, Thompson Indians 24: 157.
 on European games, Thompson Indians 24: 790 *sq.*
 on hand game, Thompson Indians 24: 302 *sq.*
 on hoop and pole, Thompson Indians 24: 491 *sq.*
 on racket, Thompson Indians 24: 562, 609 *sq.*
 on ring and pin, Thompson Indians 24: 553 *sq.*
 on running races, Thompson Indians 24: 806 *sq.*
 on stick games, Thompson Indians 24: 254 *sq.*
 on Thompson River myths 19: 433, 436, 437, 440, 451, 467, 470.
 on top games, Thompson Indians 24: 742.
 on tossed ball, Thompson Indians 24: 710.
 paper by 41: 119.
 work of 31: 18 *sq.*; 37: 19; 41: 131.
- Te'ithaethe Society**, description of 27: 487 *sq.*
- Tejada**. *See* Monte y Tejada.
- Tejo**, stories told by 14: 472.
- Tejon**
 dice games of the 24: 138 *sq.*
 land cessions and reservations 18: 782, 788.
See also Tule River Reserve.
- Tejon Pass**, numbers of 19: 930.
- Tejon Pass Reserve**, establishment of 18: 788.
- Tekesta**, burials of 42: 701 *sq.*
- Ték'ohaian ulahnane** of Zuñi mythology 13: 383.
- Telavai**
 appearance of, in picture of Nakopan hoyá 21: 117.
 appearance of, in Powamû festival 21: 67.
 description of 21: 81.

- Telegrams** on Sioux troubles 14: 835, 836.
- Telegraph Lines**, development of, in far Southwest 26: 54.
- Telfair, Governor** —, on Georgia's raid and Cherokee reprisal (1792) 19: 71.
- Te'likinawe.** *See* **Prayer Plumes.**
- Tella** day symbol, discussion of 16: 239.
- Tellechea, Miguel**, on Tarahumare numerals 19: 911.
- Teller**
battlefield, investigation of 44: 14.
mention of 46: 86, 93, 115, 117, 118, 119, 202.
- Tellico**
conference at, in 1794. 19: 79.
conference and treaty at, in 1798 19: 80.
trail through 42: 750.
treaty of 18: 660, 666, 668 *sqq.*; 19: 84 *sq.*
- Temecula.** *See* **Mission Indians.**
- Temetlatl.** *See* **Teotl-ital.**
- Temiño**, Spanish soldier, death of 14: 538.
- Tempe, Ariz.**
Apache-Pima fight near 26: 44.
first canal at 26: 53.
references to 28: 51, 55, 116.
relation of people of, to people of Verde Valley. 22, i: 34.
ruin at 26: 366.
- Tempe Butte**, fight at 26: 46.
- Temperament**, Eskimo, effect of food supply on 18: 298.
- Temperature**
of Sonoran province 17: 23 *sq.*
of the Western Eskimo 46: 248, 249.
- Tempering Metals**, Eskimo knowledge of 9: 182 *sq.*
- Tempering Materials**
Eastern United States pottery 20: 46 *sqq.*
effect on, of cracking 20: 46 *sq.*
in pottery 4: 267, 434.
See also **Fiber; Materials; Mica; Rock; Sand; Shell; Siliceous; Steatite.**
- Temple, M. S.**, survey of Qualla Reservation by 19: 174.
- Temple**
ceremonies at erection of 41: 503.
construction of walls of 41: 502 *sq.*
description of 41: 501 *sqq.*
dimensions of 41: 507.
mound-covered, at Santa Rita 19: builders of 670-673.
destroyers of 673 *sqq.*
probable date of building of 676 *sq.*
of Southern Indians. 41: 507 *sqq.*
use of the word 41: 501 *sq.*
See also **Temples; Town House.**
- Temple Creek Canyon**
petroglyphs in 10: 116 *sq.*
pictographs in 4: 26, 37.
- Temple of Inscriptions**
initial series of, inscriptions of 19: 801.
mention of 19: 771-775.
- Temple of the Cross, at Palenque**
bas-reliefs at 19: 673.
figure on, compared with one at Santa Rita 19: 668.
- Temple of the Sun, at Palenque**, face numerals at, values of 22, i: 219.
- Temples**
and council houses on mounds 12: 648, 652, 653, 655.
use of, as ossuaries 42: 701.
See also **Temple.**
- Temporal Muscles** in Eskimo 46: 265.
- Temporal Region**, full, in Eskimo 46: 241.
- Ten-Bears.** *See* **Päriäseáman.**
- Ten Broeck, Dr. P. S. G.**
cited on Tusayan clowns 15: 310.
on Laguna 29: 541.
on Pogueate 29: 539.
Tusayan ceremonial described by 15: 264.
- Ten-Elks.** *See* **Päriäseáman.**
- ten Kate, Dr. Hermann F. C.**
mention of 46: 370.
on Antillean stone implements 25: 92.
on Cherokee myths 19: 461, 466, 467, 469.
on Jemez 29: 402, 403.
on Laguna 29: 540.
on Mescalero Apache 29: 575.
on San Juan 29: 213.
somatological investigations of 26: 60.

ten Kate, Dr., H. F. C., jr.

material collected by 24: 148, 151, 210.

on ball race, Papago 24: 670, 671.

on dice game, Pima 24: 151.

on dice game, Yuma 24: 210.

on hoop and pole, Yuma 24: 526.

Ten Rocks, references to 29: 272, 437.

Ten Thousand Islands, Fla., archaeological reconnaissance of 47: 1 sq.

Te'nāhwit, a Comanche band 14: 1045.

Tenaino Indian

caps worn by the 41: 354.

designs used by the 41: 357.

population of the 7: 107.

Tenan-Khotana, mention of 46: 130.

Tenán-Kutchin

mention of 46: 124, 130.

population of 7: 56.

Tén-āt'ánte, death of 17: 294.

Těna'wa, a Comanche band 14: 1045.

Téñbeyúi or **Te'ñbiyu'i**, a Kiowa military order 14: 989; 17: 230.

Tendoy and **Huerito**, dialogue of, in signs 1: 486.

Tené. See **Athapascan Indians**.

T'ené-angópte

influence of Battey over 17: 193.

portrait of 17: 196.

treaty signed by, in 1865 17: 179.

See also **Kicking Bird**.

T'ené-badaí, death of 17: 308.

Tenebidgi, derivation of 21: 126.

Tě'nedí, *Tlingit* clan

affinity of 26: 410.

phratry and tribe of 26: 398.

T'enétaide

calendar record of 17: 377.

Kiowa raid under 17: 336.

T'ené-zépte, shooting of 17: 335.

Tenge, cassava squeezer 38: § 345.

Te'nikashiha Group, Quapaw 27: 68.

Tenina, mention of 4: 161.

Tenino

habitat of, in about 1893 14: 805.

sketch of the 14: 742.

Tennanah, tribal sign for 1: 475.

Tennessee

abundance of pottery in 20: 80.

Tennessee—Continued

archeological work in 8: xix; 41: 15, 37, 89 sq., 111.

attempted purchase of Cherokee lands by, in 1807 19: 86.

banner stones from 13: 121, 122, 123.

Blount County, antiquities of 12: 366, 388.

boat-shaped stones from 13: 124, 125.

bunts from 13: 169.

Carter County, antiquities of 12: 354.

celts from 13: 74, 75, 76, 77, 78, 79, 80, 81, 82, 86.

Cherokee settlements in 42: 749.

Chilhowey (old Cherokee town) 12: 371.

chipped flints from 13: 144, 145, 146, 147, 148, 149, 150.

chisels from 13: 83, 94.

Chote (old Cherokee town) 12: 379.

cists in 1: 113.

Cocke County, collection of relics from 3: 433, 438-441.

Cocke County, graves and mounds in 12: 356.

commissioner from, to treaty council of Cherokee 5: 179.

cones from, described and figured 13: 114.

connection of Cherokees with pottery of 20: 143 sq.

Dandridge, mound near 12: 357.

discoidal stones from 13: 100, 101, 102, 103, 104, 105, 106, 107, 108, 109.

distribution of stone art in 13: 61.

encroachments against Cherokee by 19: 64.

endeavor of, to treat with Cherokee 5: 201.

explorations in 11: xxix; 12: 278, 279, 351-407.

extension of Miami Valley ware into 20: 184.

fabric-impressed pottery from 13: 39, 40, 42, 43, 44.

flakes from 13: 174.

Franklin, ancient works near 12: 577.

gorgets from 13: 118, 119, 120.

grooved adzes from 13: 70.

Tennessee—Continued

- grooved axes from 13: 65, 66, 67, 68, 69, 70.
- grooved stone from 13: 95.
- Half-way town (old Cherokee town) 12: 371.
- incorporation of, in "Territory of the United States south of the Ohio River" 19: 68.
- Indian mound in 44: 14.
- Jefferson County, collections from 3: 463-468.
- Jefferson County, mounds in 12: 357, 358.
- Lauderdale County, mounds in 12: 278.
- local legends of 19: 412, 415.
- Loudon County, antiquities of 12: 366, 390-404.
- Meigs County, mounds of 12: 404.
- memorial to Congress by 19: 76.
- Mialaquo (old Cherokee town) 12: 389.
- Monroe County, antiquities of 12: 366-390.
- Monroe and Blount Counties, Bacon and McGee mounds 12: 377.
- mortars from 13: 96, 97.
- mounds in 5: 10, 11.
- muller from, described 13: 93.
- Newport, collections from 3: 438-441.
- notched ax-form objects from 13: 71.
- Obion County, mounds in 12: 279.
- occurrence of peculiar animal figures in 20: 107.
- occurrence of pottery resembling that of, in Georgia 20: 138.
- occurrence of pottery resembling that of, in North Carolina 20: 144.
- occurrence of salt-making vessels in 20: 28, 30, 31, 186.
- occurrence of stamped ware in 20: 122, 135.
- on validity of Cherokee reservations 5: 232.
- opposition to allotment project by 19: 114.
- or Central district, archeology of 12: 575-585.
- or Central district, characteristics of 12: 575.
- or Central district, limits of 12: 575.

Tennessee—Continued

- paint stones from 13: 115.
- Paris, inclosures near 12: 577.
- pestles from 13: 88, 89, 90, 91.
- petroglyphs in 10: 114 sq.
- pictographs in 4: 33.
- pipes from 13: 129, 130, 131, 132; 20: 99.
- plummet from 13: 112.
- pottery from 4: 381 sq., 395, 397, 413, 423; 20: 28, 35, 37, 38, 40, 41, 88, 89, 94, 95, 101, 106, 138, 180 sqq.
- production of gold in 19: 220, 221.
- Removal forts in 19: 221.
- resemblance of Pawnee pottery to that of 20: 19.
- Rhea County, mounds in 12: 406.
- Roane County, ancient works in 12: 358-364.
- Roane County, collections from 3: 457-462.
- scraper-form implements from 13: 85, 86.
- scrapers from, description of 13: 85.
- Settahoo (old Cherokee town) 12: 397.
- shell mounds in 15: xxv, xxviii.
- sinkers from 13: 97.
- sources of information concerning pottery of 20: 87.
- southward extension of influence of pottery of 20: 108.
- spades from 13: 135.
- special ceramic groups in 20: 81.
- spuds from 13: 110.
- steatite potsherds from, used as plummets 13: 111.
- stemless perforators from 13: 166, 167.
- stemless scrapers from 13: 170.
- stemmed flints from 13: 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164.
- stemmed perforators from 13: 167, 168.
- stone axes from 13: 64.
- Sullivan County, ancient works in 12: 351-354.
- Tommotley (old Cherokee town) 12: 380.
- Toskegee (old Cherokee town) 12: 388.
- trail map of 42: 730.

Tennessee—Continued

treaty with Cherokee by 19: 63 sq.
tubes from 13: 128.
work in 7: xvii.

See also **East Tennessee; Franklin, State of; Middle Tennessee; Tennessee, East; West Tennessee.**

Tennessee Bald, myths concerning 19: 339 sqq., 479 sqq.

Tennessee Centennial Exposition
collections for 18: xxviii, xlv.
exhibit at 18: xlix.

Tennessee Central Railroad, trail followed by 42: 744.

Tennessee Company, purchase of Cherokee land by 5: 162.

Tennessee, East
explorations in 12: 351-407.
trail through 42: 749.
See also **East Tennessee.**

Tennessee River
abundance of pottery along 20: 23.
fort on, at Clinch River 42: 841.
mention of 42: 44.
mounds near 5: 77.
palisaded towns on 42: 706.
trails along 42: 823.
trails crossing 42: 751.
truce line at 19: 485.

Tennessee River, Little, archeology of the valley of 12: 366.

Tennessee Valley Historical Society, reference to 44: 437.

Tennis with rubber ball 38: § 603, 604.

Tenochio, D. A.

Seri vocabulary collected by 17: 102, 296*, 299*.
Seri vocabulary furnished by 21: xxv.

Ten-Piäk'ia

violation of taime rules by 17: 296.
wounding of 17: 274.

Tensawatee. *See* **Coosawatee.**

Tense

in Indian languages 1: 12.
in sign language 1: 366.
participles 1: 13.

Tenskwatawa

account of 14: 670.
etymology of name of 14: 674.
extent of influence of 14: 927.

Tent Burial on scaffold 1: 174.

Tent Covers

decoration of 27: 353 sq.
material for 27: 272, 345, 616.
reference to 27: 275.

Tent of War, Sacred

account of 27: 142, 423.
connection of, with thunder 27: 403.
contents of 27: 213, 221 sq., 411, 452-458.
custody of 27: 194.
in dispatch of scouts 27: 424, 425.
keeper of 27: 208, 211.
references to 27: 200, 229, 554.

Tents

Eskimo 18: 242, 260.
Eskimo, construction of 6: 551 sqq.; 9: 84.
Eskimo, direction of front of 9: 79.
Eskimo, use of, as summer dwellings 9: 83.
Eskimo, use of, for sewing rooms 9: 86.
Eskimo, use of, for women during confinement 9: 86.
for boats 38: § 795.
mention of 46: 98, 101, 182.
of Northern Indians 11: 226, 273, 298.
of Plains Indians, description of 14: 504, 578, 581, 583, 588, 591.
powers of keepers of the sacred 3: 362.
rules for pitching 3: 220 sq.
the property of women 27: 362.
the sacred 3: 221, 226, 233.

See also **Lodges; Tent Covers; Tent of War, Sacred; Tipi.**

Tenu'ga, Omaha priest 27: 249.

Tenu'ganopewathe, Omaha warrior 27: 99.

Tenu'ganopewathe Shko'ntaithon, location of 27: 99.

Tenük Clan, census of 19: 619, 622.

Tenure, Land, aboriginal idea of 23: xxxii sq.

Teocomo, river and settlement of 14: 515.

Teocauhxicalli, Mexican sculptured stones 10: 135 sq.

Teotleco

and Tusayan god, comparison of 15: 268.

ceremony of Mexico 15: 272.

- Teotl-ital** day symbol, discussion of 16: 252.
- Teoyamiqui**, mention of 1: 229.
- Tépahaian téhuli** of Zuñi mythology 13: 383.
- Te'pa itazhi**, subgens (Tha'tada), account of 27: 159, 161 *sq.*, 167, 168, 169, 209.
- Tépdā' or Tepda**, a Kiowa synonym 14: 1087; 17: 149, 152.
- Teepee**. *See* **Tipi**.
- Tepehuan**
 games of the 24:
 dice games 153 *sq.*
 double ball 660.
 numbers of the 19: 868, 929.
 tribes, obtaining information concerning 19: xvii.
- Tepehuani** cave dwellings 13: 349.
- Tepeyollotl**, signification of 16: 221.
- Tephrosia Toxicaria**, fish poison 38: § 212.
- Tepk'íñägo**, a Kiowa synonym 17: 149.
- Tepoka**. *See* **Santa Magdalena de Tepoca**.
- Tepoka Indians**
 classification of 17: 67, 77, 83, 87, 99, 104, 107 *sq.*
 extinction of 22, i: xi.
 habitations of, discovery of traces of 22, i: xi.
 synonymy of 17: 129*.
- Tepoztlan, Mexico**, ruins at 26: xiv.
- Tep-pe-navon**. *See* **Ti'pinävón**.
- Tepumereme, Venezuela**, sculptured rock of 10: 148.
- Tepuru**, master of ceremonies 38: § 588.
- Te'goedî, Tlingit clan**
 crests of 26: 415.
 hero Kats! claimed by 26: 455.
 history of 26: 408, 412, 414.
 names of 26: 422.
 phratry and tribe of 26: 398, 399, 400.
- Tequesquite**
 deposits of 29: 132.
 Tewa name for 29: 579.
- Teredo Navalis**, damage to Alarcon's ships by 14: 407.
- Termarctos**, fossil remains of 43: 15.
- Termes Flavipes Koll.** *See* **Termites**.
- Termites**
 eating of 38: § 225.
- Termites—Continued**
 in Pima mythology 26: 207, 247.
 See also **Ant.**
- Terms**
 denoting age and sex 47: 220 *sq.*
 used in basketry 41: 389-398.
- Terms of Relationship**
 according to birth 44: 180 *sqq.*
 according to marriage 44: 182 *sq.*
 supplementary 44: 183-186.
 used by a woman 44: 183.
 See also **Kinship Terms; Relationship.**
- Terms of Reproach, Creek** 42: 427.
- Ternary Concept** among primitive peoples 19: 847 *sq.*
- Ternaux-Compans, Henri**
 mistake of, regarding Ispa 14: 585.
 notes on Seri by 17: 94.
 quotations from translation of Castañeda by 14: 472, 481, 489, 494, 496, 499, 501, 502, 503, 505, 506, 507, 508, 510, 511, 513, 514, 515, 517, 518, 521, 523, 524, 526, 527, 529, 531, 532, 533, 538, 539, 542, 545.
 translation of Castañeda by 13: 296; 14: lv, 413.
 translation of Coronado's letter by 14: 580.
 translation of Jaramillo by 14: 584.
 translation, mistake in 14: 398.
 work by, cited 28: 58.
- Terrace**
 cooking pits and fireplaces 8: 174-177.
 element in Pima basketry 26: 136-139.
 in Tewa art 29: 56.
 rooms, half open, not seen in ancient pueblos 8: 187.
 See also **Terraces.**
- Terrace Cloud Design**, use of 47: 210.
- Terraced**. *See* **Stepped**.
- Terraced Doorways** 8: 190 *sq.*
- Terraced Figures**
 of Mexico and Tusayan 17: 705.
 on Sikyatki pottery 17: 701, 703.
- Terraced Gardens** 8: 217.
- Terraced Roofs** of Tusayan, names of 8: 104.
- Terraces**
 ancient pueblos, method of reaching 8: 156.

Terraces—Continued

Oraibi, formed by natural causes
8: 76.

Sichumovi, form of 8: 162.

Tusayan, names of 8: 223.

Zuñi, mention of 8: 97, 98, 144.

See also Terrace.

Terracotta

group of Chiriquian pottery 6: 67.

vessels, Florida Peninsula 20: 129
sq.

Terrapin, the Cherokee chief 19: 61.**Terrapin**

bone, a charm against snake bite
42: 501.

myths concerning 19: 270, 271, 278
sq., 280, 286 *sq.*, 289, 306, 450,
452, 455.

Terrapin Dance

description of 42: 532 *sq.*

mention of 42: 524.

Terrapin Disease, symptoms of 42: 647.**Terrava**, numbers of 19: 882, 931.**Terrell**, *Capt. J. W.*

acknowledgment to 19: 13.

life of, among East Cherokee 19: 168.

on Catawba among East Cherokee
19: 165.

on Cherokee myths 19: 467.

on East Cherokee in Civil War 19: 170, 171.

on Junaluska 19: 165.

on Col. W. H. Thomas 19: 162.

roster of Cherokee troops by 19: 169.

Territory

of the Osage 36: 43, 44.

rights to 46: 476 *sq.*

Terry, *Gen. A. H.*

mention of 4: 125.

pursuit of Sitting Bull by 14: 860.

treaty commissioner 17: 183.

Těsh'kwi, application of the word 23: 115.**Testut, L.**, mention of 46: 332, 333, 349, 350, 373.**Tesuke, Tesuki.** *See Tesuque.***Tesuque Indians**

introductory note on 29: 37 *sq.*

names for 29: 576 *sq.*

population of 7: 123.

Tesuque Pueblo

a Tewa pueblo 8: 37.

act of Congress affecting 18: 920.

collection from 2: 410, 450.

visit to 22, i: 18.

Tetañaya, description of 21: 81.**Tetau**

a synonym of the Comanche 14: 1043.

identification of 17: 167.

Tête Pélée, a synonym of the Comanche 14: 1043.**Tetepash**, reference to 40: 503.**Tetlen**, mention of 46: 125.**Teton**

a Sioux division 14: 1058.

account of the 14: 1058; 15: 218.

Black Hills formerly occupied by
15: 196.

customs of the 11: 493.

definition and divisions of the 15: 160.

definition of the 4: 98.

habitat of the 7: 111.

myths of the 19: 459.

number of, in Ghost dance 14: 817.

population of the 7: 117.

raids on the Ponka 15: 192.

researches concerning the 11: xxxi.

See also Dakota.

Teton Dakota

insignia of police of 10: 419 *sq.*

shield devices of 10: 436.

translations made from dialect of
10: xix.

See also Dakota.

Teton Sioux Music

compilation of manuscript on 36: 27.

mention of 36: 31.

work of Miss F. Densmore on 37: 22.

Tetons. *See Dakota.***Tetonwan**, beliefs among the 11: 436.**Tetsógi or Tetsogi**

speaks same language as Hano clans
19: 614.

See also Tesuque.

Tetzcatlipoca, Mexican god 1: 230.**Te-uat-ha or Taos** 14: 511.**Teùk**

derivation of 21: 125.

description of 21: 108.

Teules, a Mexican term 14: 524.
Te'üne. *See* **Buffalo Hunt**, **Annual**.
Teunissen, Jurian, license to purchase land issued to 18: 597.

Tewa Clan

allied with Asa clan against the Ute 19: 610.
 compulsory migration of 19: 605 sq.
 katecinas introduced by 21: 62.
See also **Hano**.

Tewa Indian

Buffalo dance introduced from 21: 31.
 conflict of, with Ute 8: 36.
 connection of, with Plains Indians 21: 111.
 cosmology of the 15: 304.
 ethnobotany of the 36: 30.
 ethnogeography of the 36: 29.
 games of the 24:
 archery 383, 390, 395.
 ball race 666, 680 sq.
 cat's cradle 774.
 dice games 160, 190-194.
 European games 697 sq.
 hidden ball 338, 339, 361, 367 sqq.
 ring and pin 528, 558.
 shinny 643.
 stone throwing 728.
 tops 747 sq.
 language of the 8: 37.
 marriage, baptism and burial of, not entirely Catholic 31: 15.
 names of, for katecinas 21: 123, 124.
 observations among the 26: xviii.
 paper on ethnogeography of the 37: 27.
 papers on the 34: 26, 27.
 pottery of the 28: 141, 159.
 researches among, by Mrs. Stevenson 34: 14.
 ruined pueblos of the 26: xx.
 study of, by John P. Harrington 34: 23.
 visit to ruins attributed to 19: xv.

Tewa Kiva, Powamû dance in 21: 32.

Tewa People

occupation of Payûpki by 17: 584.
 progressiveness of, in Tusayan 17: 580.

See also **Tewa Indian**.

Tewa Pueblo

introduction of masks to the East Mesa by colonists from 21: 111.
 mention of 14: 525.

Texan Tribes

history of 28: 16 sq.
See also **Texans**; **Texas**.

Texans

atrocities committed by 17: 214.
 attack on Comanche by 17: 214.
 killing of Ä'to-t'aiñ by 17: 343.
 Kiowa fight with 17: 277.
 Kiowa name for 17: 255.
 Kiowa opinion concerning 17: 170.
 raid on Kiowa by 17: 197.
 raids on Indians by 17: 205.
 Santa Fé expedition of, in 1841 17: 172, 173.
 stealing of Indian horses by 17: 214.

Texas, Ben, offer of services by 14: 893.

Texas

archeological work in 41: 14 sq.
 Cheyenne raids in 17: 177.
 collection from 41: 20.
 Comanche raids in 17: 177, 187, 199.
 copper found in, by Cabeza de Vaca 14: 350.
 discoidal stones from 13: 101, 106.
 field work in 23: ix, xvii.
 Houston's party in history of 19: 223.
 intended destination of Narvaez 14: 346.
 Kiowa raids in 17: 165, 173, 177, 181, 187, 188, 270, 280, 309, 319, 325, 328, 329, 344.
 limit of De Soto's government 14: 370.
 linguistic work in 8: xx.
 migration of Creek tribes to 19: 99.
 military posts, etc., in 17: 387.
 petroglyphs in 10: 215 sqq.
 physical types of tribes in 42: 677.
 pottery, probable influence of Mexican and Pueblo art on 20: 102.
 references to 27: 8 sq., 74.
 researches in 29: 10, 13, 19; 30: 11, 18.
 secession of, from Mexico 19: 144.
 stemmed flints from 13: 156.
 treatment of Indians by 17: 182.
 warning to Indians against raids in 17: 190.
 work in 19: xvi, xvii.

Texas Agricultural Experiment Station, report on mesquite bean 26: 74.

Texas Cherokee

history of 19: 143-146.

origin of 19: 138, 141.

Texas, Hasínai, description of 28: 17.

Texas Indians

avoided by whites 42: 829.

See also Texan Tribes; Texas.

Texolo, Mexico

mounds in 25: xxviii, 245 sq.;

26: xv.

ruins in 25: 248.

Textile Art

influence of, on pottery 20: 80, 86.

memoir on 13: XLIV, XLV, 3-45.

relation of, to the development of
form and ornament 6: 189-252.

Textile Fabrics

absence of, at Sikyatki 17: 649.

found in Honanki 17: 572, 573.

from Awatobi 17: 629 sq.

in cave lodges 13: 228.

pictographs on 10: 215 sqq.

Sikyatki dead wrapped with 17:
656.

study of 13: xxvi.

See also Textiles.

Textiles

Antillean 25: 213 sq., 216, 219.

Hokokam 26: 164.

imitation of impressions of, Eastern

United States pottery 20: 52,

64, 65, 66, 76, 77, 78, 79 sq., 123.

miscellaneous 3: 415.

Pima 26: 148-153, 164.

prehistoric 3:

diagonal 417.

forms of 401.

from Mississippi Valley 408-411.

from New Jersey 421.

from Southern States 407.

from Swiss lake-dwellers 413.

in the United States 393-425.

Pueblo pottery ornament 4: 360.

southward extension of 20: 144 sq.

use of, in modeling and embellishing
20:

Eastern United States pottery
28, 30, 50, 52, 67-79.

Iroquoian pottery 161, 163, 165,
166 sq.

Lower Mississippi Valley pottery
103.

Middle Atlantic Coast pottery
151.

Textiles—Continued

use of, in modeling and embellishing

20—continued

Middle Mississippi Valley pottery
84.

New Jersey-New England pottery
179.

Northwestern pottery 194-197.

South Appalachian pottery 133.

use of, to support pottery 3: 398.

*See also Baskets; Cords; Fabrics;
Net; Paddle; Roulette.*

Texts

punctuation of 40: 28.

restored phonetically 40: 27, 501.

written in syllabary 40: 501.

Texture

Florida pottery 20: 117, 118, 121,
122.

Gulf Coast pottery 20: 106.

Iroquoian pottery 20: 161.

Middle Atlantic Coast pipes 20:
158.

Middle Atlantic Coast pottery 20:
148, 153, 155.

Middle Mississippi Valley pottery
20: 84.

New Jersey-New England pottery
20: 175.

Northwestern pottery 20: 196.

South Appalachian pottery 20:
131.

See also Materials; Paste.

Texturing. *See Decoration; Finish.*

Teyas

Cicuye besieged by 14: 524.

description of, by Coronado 14:
581.

identification of, with Comanche
14: 396.

met by Coronado 14: 507, 527,
578.

Tezcatlipoca. *See Tetzcatlipoca.*

Tezhu'

meaning of the term 27: 233, 273.

preparation of 27: 342.

references to 27: 154, 213, 236,
238.

Thackston, —, acknowledgment to
44: 3.

Tha'kahiné'na, Arapaho name of the
Kiowa Apache 14: 1081.

Tha'káká-hiné'na; Tha'ka-itän,
Kiowa Apache synonyms 17: 245.

- Thalbitzer, Dr. W.**, mention of 46: 256, 330, 333, 339, 373.
- Thalictrum Dasycarpum** 33: 80.
- Thalictrum Purpurescens**, human transportation of 33: 59.
- Thamara, Francisco**, on aboriginal Antilleans 25: 29, 32.
- Thamnosma Montanum**, Pima medicine 26: 80.
- Thanksgiving**
address of 42: 632.
before return from hunt, Omaha 3: 293.
ceremony, Coeur d'Alène 45: 186.
dance at Zuñi and Moki 15: 305.
dance of 47: 81 sq., 336.
- T'häpet'häpáyit'he**, a Kiowa synonym 17: 149.
- Tharonhiawakon**
meaning of creation of man and animals by 21: 138.
names for 21: 138.
reference to 21: 137.
See also Zephyrs.
- Tha'tada Gens**
bear and eagle associated with 27: 42.
general account of 27: 159-168.
in annual buffalo hunt 27: 277.
See also names of the subgentes and of other divisions.
- Thatch**
Ahouai leaves used for 38: § 312.
Anthurium Acaule leaves used for 38: § 324.
Guiana Indian 38: § 318-324.
- Thatcher, B. B.**, on mode of using stone sinkers 13: 97.
- Thatcher**, Pueblo ruins near, mention of 22, i: 173.
- Thatuna**, origin of the name 14: 745.
- Thaumaturgic Motive** in trephining 16: 18, 69, 70, 71, 72.
- Thaumaturgics**, mention of 1: 37.
- Thaumaturgy**
of the Siouan tribes 11: 417.
See also Magic; Sorcery.
- Thaumer de la Source, M.**, quoted 12: 620-652.
- Thaw Fellowship**, reference to 27: 29.
- The Flame for Bo-i-de**
time chart of 4: 93, 99-127.
winter count of 10: 263.
- The Gauche**, Assiniboin chief, account of 46: 400.
- The-Same-One.** *See* Daveko.
- The Swan**
chart of 4: 93, 99-127.
winter count of 10: 268.
- Thea Heye Expedition**, collection made by 44: 31.
- Theal, George McCall**, quoted on rhombus among the Kaffirs 9: 479.
- Thearchy** among the Siouan Indians 15: 184.
- Theatrical Performance**, Hopi 21: 22.
- Theft**
among the Guiana Indians 38: § 736.
among the Indians 46: 476, 481 sq.
among the Omaha 3: 367.
punishment for 42: 356 sq., 697; 46: 482.
signs for 1: 282, 345.
Wyandot law for 1: 66.
See also Stealing.
- The'giha**, application of the term 27: 37, 605.
- Theism**, mention of 11: 502.
- Theistic Society**, definition of 1: 35.
- Theobroma**, cacao 38: § 246.
- Theodat, Gabriel Sagard**, on dice games, Hurons 24: 107 sq.
- Theories**
concerning mummification or embalmment 1: 130.
regarding use of scaffolds 1: 167, 168.
- Therapeutic Motive** in trephining 16: 18, 68, 71.
- Therapeutics** of the Mide'wiwin 7: 196-201, 226, 241 sq.
- Thermopsis Rhombifolia** 33: 91.
- Theurgism**, development of 23: 414, 415.
- Theurgist**
actions of a 23: 502 sq.
function of 31: 13.
gesticulations of 23: 495.
methods of, in curing disease 23: 415, 493.
practicing of 23: 496, 497, 500.
Sia 11: 16, 75.
See also Magic; Medicine-Men; etc.

- Thevetia Neriifolia**, seeds of, used for "bells" 38: § 574.
- Thibault, J. K.**
mounds on farm of, Arkansas 12: 245.
specimens donated to Bureau by 12: 245.
- Thibault, J. R.**, pottery collection of 4: 382, 420.
- Thick-Blanket.** *See* Poliakya.
- Thickness.** *See* Walls.
- Thiebeau Point Village Site** 37: 99.
- Thief**
detected by ceremonial procedure 30: 89 *sqq.*
See also Stealing; Theft.
- Thief Catcher**, office of 47: 266.
- Thiel, —**, on number of Terrava 19: 882.
- Thiele, C.**, mention of 46: 31.
- Thigpen, Arch.**, mound on land of 44: 407.
- Thigú'nawat**, Arapaho name of the Ghost dance 14: 791.
- Thiku'wirxe.** *See* Turning the Child.
- Thimble-boxes** of the Eskimo 9: 318 *sq.*
- Thimble-holders** of the Eskimo 18: 109 *sq.*
- Thimbles**
brass, recovered from mound 44: 166.
of the Eskimo 18: 109 *sq.*
- Thin Leather**
Pima informant 28: 34, 44, 45, 46.
See also Kâ'mal tkâk.
- Thing, L. H.**
clay plastering in mounds found by 12: 664.
copper plate from stone grave obtained by 12: 308.
engaged as temporary assistant 12: 19.
explorations of 5: xx, xxi.
field work of 6: xxvii *sq.*
figured copper plate in stone grave found by 12: 701.
- Third World.** *See* Mythology.
- Thistle**
use of 44: 288.
use of, as food 45: 479, 480.
use of, in medicine 30: 44.
See also Cirsium.
- Thi'xida**, Pawnee name for Ponca 27: 43.
- Thi'xida Gens, Ponca**
general account of 27: 43.
personal names of 27: 53.
references to 27: 41, 42, 48, 439.
- Thle-chum-me Tustunnigge**, warrior of the Creek nation 42: 328.
- Thlingghadinne**, ring and pin game of the 24: 543.
- Thlinkit**
ivory and wood carvings 6: XLII.
labrets 3: 82, 87, 88.
masks 3: 110-120.
pictographs 4: 78.
rattles 3: 111.
shamanistic emblem of 10: 612 *sq.*
war colors of 10: 632.
See also Tlingit.
- Thlococothco.** *See* Likatcka.
- Thomas, —**, cited on Massachusetts Indian policy 18: 602 *sq.*
- Thomas, Chief —**, at Nenana 46: 38.
- Thomas, B. G.**, mounds on farm of 12: 56.
- Thomas, Dr. Cyrus**
abstract of papers on aids to the study of Maya codices by 6: LV *sq.*
aid by, in linguistic classification 22, i: xxxi *sq.*
archeologic work of 15: 19.
bibliographic research on Hawaii by 31: 8.
bulletin by 30: 23.
Central American stocks classified by 21: xxiv.
characterization of paper by 22, i: XLIII *sq.*
cited 2: 332; 10: 209.
cited on Maya codex 15: 271.
collection from mounds by 6: 1.
contributor to Bureau 48: 1189.
cyclopedic labor of 21: xxxii.
death of 31: 16.
exploration of Iroquoian province by 20: 159.
explorations by, in North Carolina 20: 137.
field work of 6: xxvi *sqq.*, xxx.
illustration of clay plastering from 20: 37.
introduction to memoir on Indian land cessions by 18: 527-647.

Thomas, Dr. Cyrus—Continued

material for Indian cyclopedia collected by **23**: XL.

Mayan calendar system, paper on, by **19**: 693-819; **22**, i: 197-305; **23**: XXXVII, XLIII.

Mayan and Mexican calendar systems investigated by **21**: XXXI.

memoirs by **19**: XLII sq., XLIV sq.

mention of **46**: 173.

mound exploration by **13**: 9.

notes on Mayan and Mexican manuscripts by **3**: 1-65.

numeral systems of Mexico and Central America by **19**: 853-955.

obituary of **48**: 1221.

office work of **6**: XLVII; **20**: XXII.

on day symbols of the Maya year **16**: LXXXVIII-XCV, 199-265.

on finding of unusual boat-shape stone **13**: 116.

on Han-it numeration **19**: 138.

on Mayan calendar period **19**: 675.

on Mexican and Mayan symbolic colors **10**: 625.

on Polynesian loan words **15**: LXIV.

paper by, on aids to study of Maya codices **6**: 253-371.

paper by, on burial mounds in northern United States **5**: XXXVIII-XLIII, 3-119.

papers by, cited or referred to **12**: 308, 562, 718, 721.

preparation of memoir by **15**: XLI.

proposed association of work on Eastern United States pottery with report of **20**: 15.

publication of papers by **11**: XXIV; **17**: LVII.

reference to **28**: 226.

report on opening of Georgia mound in work of **20**: 139.

researches by **14**: XXXVII; **16**: XIX, XXII, XXVI, XXX, XXXV, XXXVIII, XL, XLII, XLVII, L, LV, LXXII.

study of Mexican and Maya codices by **23**: XXXVII.

summary of work of **15**: LXXVII.

translation of description of burial ceremonies of the Hurons by **5**: 110-119.

Thomas, Dr. Cyrus—Continued

work of **5**: XX sqq., XXXVII; **7**: XVI sqq., XXX sq.; **8**: XIX, XXIII; **9**: XXV sqq., XXXVIII; **10**: X, XXI, XXII; **11**: XXIV; **13**: XXVI, XXIX, XXXVI; **15**: LXXVII; **17**: XLVIII sq.; **18**: XLVI, LVI; **19**: XXIX; **24**: XVII sq., XXVI, XXXII; **25**: XIX, XX; **26**: XVI, XXIII; **27**: 9; **28**: 11 sq.; **29**: 17 sq.; **30**: 10, 17, 19.

work of, in linguistic classification **23**: XXXIV.

work of, on hieroglyphic records **22**, i: XXXVI.

work of, on mounds **37**: 76.

Thomas, Mrs. E. P., steatite collection of **15**: 125.

Thomas, Miss Jessie E.

librarian of the Bureau **23**: XLII.

Mayan vocabulary transcribed by **21**: XXVII.

obituary notice of **24**: XXXVIII.

work of **24**: XXIII-XXXVIII.

work of, on *Diccionario de Motul* **22**, i: XXXIII; **23**: XLII.

Thomas, John S., burial place on farm of, Tennessee **12**: 355.

Thomas, Juan

calendar history by **26**: 35.

cure song by **26**: 302-306.

in flight at Santan **26**: 57.

in Geronimo campaign **26**: 60.

information furnished by **26**: 18.

on legerdemain of medicine-men **26**: 261.

Thomas, Mrs. L. V., work of **7**: XXXI.

Thomas, Mary B., collection of **15**: 130.

Thomas, Col. W. H.

acknowledgment to **19**: 13.

arrangements by, for stay of East Cherokee in the east **19**: 158 sq.

connection of, with East Cherokee affairs **19**: 162, 163, 165, 166-172.

difficulty over estates of **19**: 173 sq.

killing of Indian women by men under **19**: 52.

legend told by **19**: 491.

life of **19**: 159-162.

mission of, to U'tsâla and Charley **19**: 157 sq.

Thomas, Col. W. H.—Continued

on Baptist preachers among East Cherokee 19: 165.

on Cherokee round-up 19: 131.

on Junaluska 19: 165.

on traditional predecessors of Cherokee 19: 23.

on Rutherford's route 19: 205.

on smallpox among East Cherokee 19: 23.

on Swimmer's knowledge of Cherokee myths 19: 236.

purchase of lands for East Cherokee by 19: 159.

retirement of 19: 172.

Thomas, William H., agent for Cherokee 5: 315.

Thomas Legion, organization of 19: 161 *sq.*, 169 *sq.*

Thomas Place, flint on 44: 516.

Thompson, —, arrest of 19: 119.

Thompson, Captain —, defeat of Cherokee by Americans under 19: 48.

Thompson, A. H.

account of Tävibo by 14: 703.

acknowledgment to 14: 655.

on the Paiute prophet 14: 702.

reference to 29: 350.

Thompson, Benjamin

information furnished by 26: 18.

steatite quarry on land of 15: 126.

Thompson, Charlie, information furnished by 42: 402.

Thompson, E. H., on Andromaro Molina 23: xxxvii.

Thompson, Gilbert

on pictographs 4: 27, 33, 34, 229, 245.

petroglyphs reported by 10: 92.

Thompson, Henry, mounds on land of 12: 142.

Thompson, L. K.

aid rendered by 17: 14.

on Seri charm-trophies 17: 260*.

Thompson, R. F., acknowledgments to 5: 130; 18: 644.

Thompson Indians

basketry of the 41: 142, 143 *sqq.*, 154, 155, 156, 157, 159, 177, 178, 180, 185, 200, 209, 210, 211, 216, 217, 223, 225, 229, 230-233, 234, 237, 284, 350 *sq.*, 361, 362, 370, 372, 373, 414-420, 424 *sqq.*, 444 *sq.*

Thompson Indians—Continued

characteristics of 45: 325.

characteristics of basketry of 41: 230, 233.

coiled basketry taught by 41: 133.

designs of the 41: 378.

discussion of art of 41: 369-376, 376-383.

divisions of the 45: 447 *sq.*

dress of the 45: 230.

environment of the 41: 143; 45: 448.

ethnobotany of the 45: 447-552.

Flathead name for the 45: 300.

floral zones of habitat of 45: 448.

games of the 24:

archery 383, 390.

ball game (European) 790 *sq.*

cat's cradle 157, 773.

dice games 157.

hand game 302, 303.

hoop and pole 421, 491 *sqq.*

racket 562, 609 *sq.*

ring and pin 528, 552 *sq.*

running races 806 *sq.*

stick games 229, 254 *sqq.*

tops 742.

tossed ball 710.

habitat of the 45: 447.

hunting grounds of the 45: 213.

influence of, in basketry 41: 134, 135.

myths of the 19: 433, 436, 437, 440, 441, 451, 467, 470.

name of, in sign language 45: 146.

of Salishan stock 41: 373.

tattooing and face and body painting of 45: 403-439.

See also Lower Thompson; Upper Thompson.

Thomson, Arthur, mention of 46: 269.

Thomonys Cervinus, eaten by the Pima 26: 82.

Thong, Sacred Captive, custom connected with 39: 180.

Thongs, manufacture of, by the Eskimo 9: 301 *sq.*

Thorn, R. R., mounds on land of 12: 121.

Thorn Bush, a Cherokee clan 42: 118.

Thornapple

in Pima song 26: 300.

Thornapple—Continued

- use of 44: 289, 307, 321, 356, 377.
- use of, in ceremonies 30: 88-91.

Thorner, Prof. J. J.

- on nuts of "quinine plant" 26: 78.
- on Pima saltbushes 26: 84.
- on *Thamnosma montanum* 26: 80.
- work of 26: 18.

Thorns, use of 44: 378.**Thornton, Governor** —, settlement named for 29: 452.**Thornton, Dr. Wales**, mention of 46: 94.**Thorntown.** See **Miami, Eel River Band.****Thor's Hammer.** See **Filfot.****Thought, Primitive**, characteristics of 19: 828-833.**Thought-reading**, Cherokee belief in 19: 244, 433, 473.**Tho'-xe Gens**

- a gens of the Tsi'-zhu division 39: 41.
- animals used by, as symbols 39: 244.
- mythical story concerning 39: 206.
- office of 39: 93, 99, 100, 101, 206; 43: 93.
- order of degrees in 36: 152.
- personal names of 43: 160-163.
- songs belonging to the 39: 316.
- symbol of the 39: 50.
- symbolic hair cut of the 43: 92.
- the Buffalo Bull gens 39: 205.

Tho'-xe Pa Thi-hoⁿ Gens, wi'-gi-e of 36: 134-139.**Thrall**, —

- on capture of Bowl's family 19: 146.
- on Indian expulsion from Texas 19: 145.
- on Mexican grant to Cherokee 19: 143.
- on number of Texas Cherokee 19: 145.

Thrashing Floors in Verde Valley 13: 246, 305.**Thrashing Holes** for wild rice 19: 1067 sqq.**Thrashing Machines**, first form of 19: 1066 sq.**Thrashing Wild Rice**

- by churn dasherlike stick 19: 1068 sq.

Thrashing Wild Rice—Continued

- by flailing 19: 1069.
- by rubbing, bruising and shaking 19: 1069 sq.
- by treading 19: 1067 sq.
- mechanical means employed in 19: 1070.
- sppporting sticks used during 19: 1067, 1069.

Thread

- making by the Eskimo 18: 110 sqq.
- of basswood fiber 14: 259.
- of the Eskimo 9: 317 sq.
- primitive, manufacture of 13: 21.
- See also **Cord**; **String**; **Twine**.

Three, a ritual number 47: 284.**Three Deer**, a sky deity 43: 74**Three Eagles**, a Flathead chief 45: 376.**Three-ply Cotton**

- scale lines 38: § 38.
- twine 38: § 35.

Three-pointed Stones

- areas differentiated by 34: 263.
- as *zemis* 25: 58.
- distribution of 34: 199.
- general description of 25: 111.
- interpretation of 25: 128-132.
- not found in Lesser Antilles 34: 60.
- of four types 34: 211-220.
- relation of, to stone collars 25: 170-173.
- smooth stones 25: 127 sq.
- theories concerning use of 34: 263 sqq.
- use of, for pestle 34: 220.
- where found 34: 61.
- with conoid projection modified into head 25: 125 sqq.
- with face between anterior and conoid projections 25: 121-125.
- with head on anterior and legs on posterior projection 25: 111, 112, 119 sqq.
- with human heads 111, 112, 117, 119.
- with reptilian heads 111, 112, 117 sq., 119.

See also **Zemis**.

Three Springs, Va., trail passing near 42: 759.**Three Stars**, an Indian name for General Crook 4: 146.

- Three Stars, Clarence**, interpreter for Sioux delegation 14: 891.
- Thrift-Sense**, Seri, beginning of 17: 209*-212*.
- Throat**, how treated by the Zuñi 30: 49, 53, 56, 59, 60.
- Throsh, J. B.**, mounds on land of, North Carolina 12: 350.
- Thrower Dance**, Kwakiutl 35: 965, 1035.
- Throwing Boards** for Eskimo seal darts 9: 217 sq.
- Throwing Dance**
of the Kwakiutl 35: 928.
song of 35: 934 sq.
- Throwing Game**
dice game, Haida 24: 190.
played by the Eskimo 18: 335.
- Throwing Sticks**
Eskimo 11: 239; 18: 152-155.
game of, account of 24: 417.
tools used by Eskimo in making 18: 89.
- Throwing Stones** in Swiss lake-dwellings 13: 98.
- Thruston, Gates P.**
acknowledgment to 20: 16.
mound explored by 41: 495.
on use of trowel and stopper-shaped objects 20: 35, 36.
pottery from collections of 20: 30, 35, 40, 41, 94.
work of, on Middle Mississippi Valley pottery 20: 87.
- Thugma**. *See* Fontelle, Logan.
- Thugma gaxthiitho**ⁿ, location of 27: 100 sq.
- Thuja Gigantea** 45: 475, 495.
- Thuja Occidentalis**
medicinal constituents of 44: 305.
medicinal properties of 44: 303.
use of 44: 293, 338, 340.
- Thuja Plicata** 45: 461, 496, 501.
- Thumb**, Serian and Yuman names for 17: 330* sqq.
- Thumb Butte, Ariz.**, pictographs near 28: 215.
- Thunder**
and lightning, god of 42: 485 sq.
as god of war 27: 200, 402 sq., 404, 415 sq., 435, 441, 464, 477.
as god of war, Ponca 27: 439, 440.
beliefs concerning 44: 249; 45: 178, 290.
- Thunder—Continued**
Cedar Pole related to 27: 219, 229, 458.
clan emblem, Tlingit 26: 417.
conception of 42: 486.
consecration of boy to 27: 122-128.
control of 42: 631.
house group name, Tlingit 26: 402.
in beliefs of Ponca 27: 42.
in He'dewachi ceremony 27: 253 sq., 260.
in Pima legend 28: 47.
in Potawatomi myth 14: 209.
Indian notion concerning 14: 968.
Iroquois myth concerning 2: 55.
myths and lore concerning 19: 240, 248, 257, 295, 300 sq., 311, 342, 345 sqq., 362 sq., 435, 441 sq., 464, 465, 481 sq., 491.
personification of the 14: 1097, 1099.
primitive conception of 15: 180, 182, 183.
rites connected with 27: 142 sq., 160, 177 sq., 185.
rites connected with, Osage, Ponca 27: 47.
sacred pole allied to 27: 154.
sacred regard for 15: 184.
sacred shell associated with 27: 457.
significance in Turning the Child 27: 117, 119 sqq.
sources of 30: 269 sq.
terms relating to 29: 59 sq.
tutelar god of He'thushka 27: 459.
- Thunder Bay**, origin of name 14: 968.
- Thunder Bay Chippewa**, reservation for 18: 810.
- Thunder Beings**
belief concerning 11: 37, 381, 385, 424, 441, 508, 517, 523.
mythic 11: 441.
shamans, order of 11: 395.
- Thunder-berries**, use of, as food 14: 996.
- Thunder-Bird**
account of the 14: 968.
among the Tlingit, in mythology 26: 434, 454.
among the Tlingit, representation of 26: 468.
associated with success in war 37: 433.

Thunder-Bird—Continued

- carries prince around world 35: 1129.
- carved 35: 806.
- ceremony in honor of 37: 447.
- characterization of 37: 439.
- conception of 37: 287.
- connection of, with sacred pole 27: 229.
- dancers 35: 1159, 1166.
- dish 35: 815.
- Eskimo mythic creature 18: 445 sq.
- figure of the 14: 969.
- Halulu*, Hawaiian 33: 324, 629, 637.
- in Kwakiutl hoop and pole game 24: 521.
- in Omaha mythology 27: 218, 457.
- legend of the 18: 486 sq.
- mention of the 4: 188; 35: 816.
- myth of the 3: 113, 149.
- Prof. E. W. Nelson on 3: 120.
- Nootka belief concerning 31: 907.
- offering to, in War-bundle feast 37: 429, 430, 447, 455, 467, 503.
- painted on bluff 44: 533.
- pictographs of 10:
 - Dakota 483 sqq.
 - Haida 399, 485.
 - Kwakiutl 479.
 - mention of 58, 479, 483-487.
 - Micmac 487.
 - Ojibwa 58, 487.
 - Twana 485.
 - Venezuelan 487.
- reference to, in Arapaho song 14: 978.
- representations of 18: 226, 446.
- song of the 14: 976; 35: 1130, 1146.
- worship of the 3: 227.
- Thunder-bird Clan**
 - chief selected from 37: 209.
 - feast of 37: 318-321.
 - functions of 37: 200.
 - funeral ceremonies of 37: 146 sqq.
 - importance of 37: 207.
 - known as Chief clan 37: 218.
 - mention of 37: 207-211.
 - origin myths of 37: 207 sq.
 - symbol of 37: 203.
- Thunder Disease**, symptoms and treatment of 42: 650.

Thunder Gens, references to 40: 358, 503.

Thunder God

- of the Iroquois 2:
 - comparison of, with other gods 52.
 - mention of 51, 58.
 - or Hi-nua 52.
 - origin of 52.
 - powers of 52, 58.
 - worship of 52.
- of the Quiche 16: 238.
- symbol in Mexican hieroglyphics 16: 216.

Thunder Group, Osage, reference to 27: 61.

Thunder Magician in Pima religion 26: 251.

Thunder Medicine, use of 42: 660.

Thunder Mountain

- mesa near Zuñi 14: 390.
- ruins at 14: 517.
- settlement of the Zuñi on 13: 326, 330, 429.
- visit of Coronado to 14: 565.

Thunder People, mention of 32: 61.

Thunder Society

- account of 27: 490, 493.
- free from magic 27: 602.
- songs of the 27: 598 sq.
- See also* Ingthur'ethaethe.

Thunder Stones

- of the Antilleans 25: 94.
- rolling of, by A'shiwanni 23: 177.
- specimen of 23: 177.
- See also* Thunderbolts.

Thunderbolts

- description of 42: 486.
- or thunder stones 34: 175, 251.
- See also* Thunder Stones.

Thunders in Menomini myth 14: 39, 40, 92, 131, 195.

Thunders, The, in Tlingit mythology 26: 417.

Thunder's Nest, origin of the name 14: 968.

Thunderstorm

- magical 35: 1147.
- mention of 46: 59.

Thurn, Sir Everard F. im

- on Indian customs in Guiana 4: 40, 53, 61, 77.
- on name system of Guiana Indians 4: 171 sq.

- Thurston**, —, assistance of, in excavating mounds 12: 417.
- Thwaites, Dr. Reuben Gold**
acknowledgment to 19: 1020.
on hidden ball, Winnebago 24: 366 sq.
on racket, Winnebago 24: 616.
on wild rice in Fox River 19: 1034.
- Ti**, lodges of Shell society 27: 516.
- Tiahiatam**. *See Azul*.
- Tiahuanaco**, collection from 30: 22.
- Tianä'ni**
death of 14: 727.
Smohalla service conducted by 14: 727.
- Tiaroga Cobitis Girard**, fish of Colorado Basin 26: 83.
- Tibeto-China**, mode of declaring war in 10: 359.
- Tibex**. *See Tigux*.
- Tibia**
mention of 46: 156, 159, 160, 164, 165.
of the Western Eskimo 46: 314-317.
- Tibia Bee** and excreta 38: § 935.
- Tibid**, Wapishana name for mamuri 38: § 100, 417.
- Tibikushi**, timber for bows 38: § 125.
- Tiburon Indians**. *See Seri*.
- Tiburon Island**
extent of 17: 22.
features of 17: 42-45.
first circumnavigation of 17: 68 sq.
first exploration of 17: 61.
in Gulf of California 14: 554.
naming of 17: 53.
occupation of, by Yuman tribes 7: 138.
projected expedition of 24: XII.
second circumnavigation of 17: 89-93.
Seri Indians of, study of 21: XIV.
- Tich**, meaning of 16: 233.
- Tick Dance**
description of 42: 533.
mention of 42: 524.
- Tick Island Mound, Fla.**
bowls from 20: 121 sq.
burial of sherds in 20: 119.
occurrence of fiber-tempered ware in 20: 122.
- Tidal Wave**, cause of 30: 241, 251.
- Tide-water Life**, probable influence of, on art 20: 150.
- Tides**
cause of turning twice a day 31: 64 sq.
in the Ungava district 11: 170.
of Seri waters 17: 45 sqq.
- Tie-Snake**
belief in 44: 252.
beliefs concerning 42: 492 sq.
- Tienique**, probably printer's error in Pacheco y Cardenas for Cicuye 14: 587.
- Tiërikûs**, Maricopa runner 26: 56.
- Tierra del Fuego**
bulletin on tribes of 39: 24.
collections from 20: XXIV.
field work in 20: XI.
research in 21: XII.
work in 18: XXIX.
- Tietjens, Miss Janet**, cooperation of 46: 6.
- Tiffany, Albert**, mounds on land of, New York 12: 506.
- Tiffany, A. S.**
Davenport limestone pronounced a fraud by 12: 638.
on cremation furnace 1: 149.
- Tigara**
mention of 46: 207.
See also Point Hope.
- Tiger**
and turtle story 38: § 599.
common name for panther 42: 498.
symbol in the codices 16: 248.
See also Tigers.
- Tiger-bead Necklace**, description of 30: 224.
- Tiger Bird, Tigrisoma** 38: § 847.
- Tiger-like Animal** in Mexican hieroglyphs 16: 244.
- Tigers**
characteristics of 30: 367.
effigies of, in Santa Rita mounds 19: 680, 684, 687.
found in Cibola by Coronado 14: 560. *
- legends of 30: 123, 133 sq., 178, 202 sqq., 205 sq., 210 sq., 216 sq., 218 sq., 223 sqq., 342, 373 sqq.
man created from 30: 143.

- Tigers**—Continued
 markings on, origin of 30: 224.
 teeth of, talismans 30: 289.
See also **Black Tiger; Tiger; War-racaba Tiger.**
- Tigtitig Bird.** *See* **Tikitiki.**
- Tigua Indians**
 games of the 24:
 cat's cradle 775.
 dice games 190 *sqq.*, 195.
 European games 798.
 hidden ball 369 *sq.*
 hoop and pole 420, 421, 518 *sq.*
 shinny 642 *sq.*
 tops 748.
 name of Acoma among the 14: 492.
 reference to 28: 159.
See also **Tiwa.**
- Tiguas, Mesa de las**, site of Payüпки so called by Menchero 22, i: 19.
- Tiguex**
 cartographic history of 14: 403.
 death of Friar Juan at 14: 401.
 description of 14: 519, 520.
 description of, by companions of Coronado 14: 569, 575.
 description of, by Jaramillo 14: 587.
 discovery of, by Alvarado 14: LVII, 390, 491, 594.
 Indians of, refusal of, to trust Spaniards 14: 499, 503.
 river of, identified with Rio Grande 14: 390.
 siege of, by Spaniards 14: 497, 500.
- Tihax**
 day symbol, discussion of 16: 258.
 definition of 16: 259.
- Ti hit tan**, *Tlingit clan*
 crests of 26: 416.
 history of 26: 409, 410.
 phratry and tribe of 26: 399.
- Tihüni**, Hopi ceremonial day of 21: 20, 54.
- Tikal**, Central America, numeral system used at 22, i: 254.
- Tikal Inscriptions**
ahau glyph in 16: 263.
ik symbol in 16: 215.
lamat symbol in 16: 235.
 mention of 19: 775 *sq.*
- Tikchik**, clothing from 18: 41, 43.
- Tikhmenief, I.**, mention of 46: 177.
- Tikitiki Bird**
 damage to children by 30: 187, 371.
 preying of, on spirits of dead 30: 161 *sq.*
- Tikizat**, mention of 46: 204.
- Tikwali'tsi**, legend of raid on 19: 374, 495.
- Tiléli**, panpipes 38: § 566.
- Tiles**
 absence of, in Middle Mississippi Valley pottery 20: 82.
 Spanish, recovered from mound 44: 165 *sq.*
- Tilford, Colonel** —, troops under, in Sioux outbreak 14: 850.
- Tilhulhwit**, a Tlaqluit synonym 14: 740.
- Tiliá Americana**
 mention of 33: 102.
 use of 44: 293, 307, 321, 378.
- Tiliaceae** 33: 102.
- Til-la-ka.** *See* **Ti'l-'lakai.**
- Ti'l-'lakaí**, treaty signed by, in 1867 17: 186.
- Tillamook**
 habitat of 7: 104.
 mention of 4: 26.
 myths of 19: 440.
 population of 7: 105.
- Tillamuk.** *See* **Tillamook.**
- Tiller, J. T.**, mound on farm of, Arkansas 12: 240.
- Tilqûni**, sketch of the 14: 742.
- Timber**
 for bowls 38: § 125.
 for clubs 38: § 150.
 kind of, used in kiva building 8: 119.
 source of, of the Hopi 16: 166.
 use of, in cliff dwelling construction 16: 111, 113, 116, 121, 122, 124, 165, 171, 197.
- Timber People**, beliefs concerning 44: 196.
- Timberlake, Lieut. Henry**
 map by, reference to 12: 367, 371, 377, 379, 388, 389.
 on aquatic burial 1: 180.
 on Cherokee headdress 19: 474.
 on Cherokee regard for eagles 19: 453.

Timberlake, Lieut. Henry—Contd.

- on Cherokee welcome ceremony
19: 493.
- on "flying stag" 19: 463.
- on French and English treatment of
Indians 19: 39 *sq*
- on *galayûsti* game 19: 434.
- on hoop and pole, Cherokee 24:
475.
- on Indian warpath 19: 207.
- on opossum 19: 449.
- on position of Indian women 19:
490.
- on siege of Fort Loudon 19: 43.
- on Uktena and Ulûñou'ti 19: 459,
461.
- on war women 19: 501.
- visit to Cherokee by 19: 45.

Timbo, *Lingua Geral* name for fish
poison 38: § 208.

Time

- determination of, for ceremonials
15: 258.
- divisions of 27: 111; 37: 124
sq.; 42: 707; 45: 95, 247.
- for planting and harvesting, how
determined in Zuñi 8: 148.
- in sign language 1: 366.
- long, sign for 1: 522.
- manner of counting 42: 704; 44:
245; 45: 156.
- Moki division of 15: 255.
- periods of 29: 61 *sq.*
- periods, of Mayan chronology, terms
designating 22, i: 204.
- reckoning of 42: 454 *sq.*; 46:
415 *sq.*
- reckoning of, among Indians 14:
774.
- reckoning of, among Siouan tribes
15: 169.
- reckoning of, by the Zuñi 13: 446.
- recognition of 38: § 936.
- records of the Apache Indians 10:
258 *sq.*
- required in basket making 41: 412
sq.
- series, in codices and inscriptions
19: 715-791.
- sign for 1: 350, 508.
- symbols, mention of 4: 88-146.
- symbols, probable use of shell disks
as 2: 268, 273, 278.

Time—Continued

- units, Mayan, employed in counting
19: 860.
- See also* **Calendar; Chronology,**
Modern.
- Time-beating** 35: 628, 698, 720, 722,
723, 726, 739.
- Timehri**
 - cited 30: 140, 255, 296, 304, 319,
324, 331, 333, 340, 345, 352.
 - incised rocks 38: § 781.
- Timidity**, cure for 30: 85.
- Tims, Rev. J. W.**
 - on Blackfoot term for gambling 24:
56.
 - on certain Piegan forms 28: 231 *sq.*
- Timucua**
 - customs of 42: 701, 702.
 - descent among the 42: 695.
 - dwelling of the 42: 687.
 - linguistic relations of 42: 678.
 - ornaments of 42: 685.
 - phratries of 42: 156.
 - possibly ancestors of Osochi 42:
249.
 - reference to dress of 42: 681.
 - second men among 42: 192.
 - tower house of 42: 687.
- Timucua Language**
 - dictionary of, preparation of 45: 2.
 - work on, by Dr. J. R. Swanton 34:
14.
- Timuquanan**
 - family, mention of 7: 123 *sqq.*
 - peoples, connection of, with Florida
20: 115.
 - peoples, partial occupation of South
Appalachian province by 20:
131.
 - tribes, probable early habitat of 7:
95.
- Tin Rattles**, peculiar to dress of
Helilülü 21: 66.
- Tinaja Trinchera**, fortifications of
17: 41.
- Tinder Boxes** of the Eskimo 18: 76.
- Tinder Tube** from Honanki 17: 572,
573.
- Tinklers**, appearance of, in pictures of
Hopi kateenas 21: 96.
- Tinné**
 - mention of 3: 122; 46: 130, 133.
 - pottery of 46: 147.
 - See also* **Athapascan Indians.**

Tinneh. *See* **Tinné.**

Tinuki, knobbed spool used in hammock making 38: § 466.

Tioga Vases, Iroquoian group 20-166.

Tiouboutouli, a Carib island captain 38: § 741.

Tipcat

played by the 24:

Dakota, Teton 721.

Hurons 721.

Zuñi 721.

Tipi; Tipis

a Sioux word 14: 1059.

description of 27: 76, 95 *sqq.*

heraldic, of the Kiowa 17: 231, 336.

hereditary heraldic devices of 23: xxiii.

of simple construction 37: 105.

of the Arapaho 14: 957.

owned by women 15: 222.

sacred, of the Omaha 15: 226.

used on the hunt 37: 106.

See also **Tents.**

Tipi Game of the Kiowa 24: 284 *sq.*

Ti'pinävön, treaty signed by, in 1867 17: 186.

Tipiti, a name of the cassava squeezer 38: § 345.

Tiponi

absence of, in Cipaulovi ceremony 16: 279, 282.

absence of, in Oraibi Snake society 16: 290, 291, 294.

absence of, in Pamürti 21: 26.

appearance of, in Flute festival 21: 29.

as "Mother," meaning of 19: 1005.

at Mishongnovi Flute altar 19: 989.

at Oraibi altar 16: 291.

at Walpi, importance of 19: 980.

definition of 15: 261.

in Tusayan ceremonies 15: 262.

of Oraibi Antelope priests 16: 292, 293.

of Tusayan explained 8: 131.

on altars 19: 966.

on Tusayan Antelope altar 16: 288.

position of, in Cipaulovi altar 16: 279.

reference to 28: 49.

Tiponi—Continued

renewal of the Flute 19: 1003 *sqq.*

symbolism of the 15: 267.

use and importance of, in Snake dance 19: 980.

use of, in Cipaulovi ceremony 16: 282, 284.

use of the 15: 295.

Tippecanoe

account of 14: 681.

mention of 42: 508.

proper form of 14: 684.

Tippecanoe River

cession of reserves made by treaty of 18: 752-756, 766.

treaties of 18: 740 *sqq.*, 754, 758.

Tippet

feather 38: § 538.

feather, used in foot races 38: § 591.

Tipsin 33: 92.

Tipton, John, on game of mackuson (moccasin) 24: 343.

Tipton, M. M., mounds on land of, Tennessee 12: 391.

Tipton, W. M., reference to 29: 323, 459.

Tirawa

abode of 22, ii: 28.

belief in answer to prayer by 22, ii: 198.

father of all 22, ii: 162, 284.

mediation between man and 22, ii: 27.

Pawnee ideas concerning 22, ii: 107, 109.

symbol of 22, ii: 233, 354.

symbol of, diagram of the 22, ii: 233.

tracing of image of 22, ii: 67, 68.

Tir-ha-yah-guahip. *See* **Täyäkwoip.**

Tiripitio, meeting of Alvarado and Mendoza at 14: 409.

Tisdale, Archibald, material collected by 24: 538.

Tishi, the portion of the fan blade close to the handle 38: § 367.

Tishi-hudi, upper edge of fan 38: § 367.

Tishiri, Arawak name for arrowhead 38: § 128.

Tishomingo, a Chickasaw district 44: 212.

- Tishtanatan.** *See* **Hoopa Valley Reserve.**
- Tishu Miko**
 chief of Chickasaw district 44: 212.
 influence of 44: 214.
- Tishu Minko**, assistant chief 44: 215.
- Tisim**, *Fray Juan de*, mention of 25: 55.
- Tissa**, Arawak name for nock of arrow 38: § 133.
- Titimi**, a strong bark used for straps 38: § 411.
- Titles**
 Indian, character of 1: 249.
 inheres in discoverer 1: 249.
 mention of 42: 97-107.
 or busk name, discussion of 42: 100 *sqq.*
 succession of 42: 305.
 war, bestowed on victor 42: 420.
- Titmouse**, myths concerning 19: 285 *sq.*, 318, 454, 468.
- Titoñwañ**
 a Sioux division 14: 1058.
See also **Teton.**
- Titoñwan.** *See* **Teton.**
- Tittoni, Tommaso**, dedication to 30: 105.
- Titus, George**, Seneca informant 32: 52.
- Tiverton, Rhode Island**, petroglyphs in 10: 113.
- Tivis, William**, acknowledgment to 14: 655.
- Tiwa Indians**
 description of 15: xxii.
 early homes of 29: 510, 515, 522 *sq.*, 527, 531-534.
 intermarriage of, with **Zuñi** 29: 403.
 names for 29: 577 *sq.*
 study of language of 19: xxvi.
 work among the 19: xvi.
See also **Southern Tiwa; Tewa.**
- Tiwenu**, description of 21: 102.
- Tiyo** in Hopi mythology 16: 301.
- Tiyotipi (Dakota)**, account of 24: 228, 229.
- Tiyuna**, Hopi ceremonial day of 21: 20.
- Tizon, Rio del**
 reason for name of 14: 485.
- Tizon, Rio del**—Continued
 Spanish name for Colorado River 14: 407.
See also **Colorado River.**
- Tlalmanalco, Mexico**, inscribed rock near 10: 132 *sq.*
- Tlaloc**
 a Mexican god 16: 238.
 mention of 1: 229, 230, 231, 233-239, 241, 244.
 symbol in Borgian Codex 16: 213.
 symbol in Troano Codex 16: 216, 217.
- Tlanusi'yī**, myth concerning 19: 329 *sq.*
- Tlā'nuwā'**, myths and lore concerning 19: 284, 286 *sq.*, 315 *sq.*, 396, 466.
- Tlapa**, estate at, given to Coronado 14: 379.
- Tlaqluit**, sketch of the 14: 740.
- Tlascaltec Indians**
 burial superstition of the 1: 201.
 linguistic researches among 8: xxi.
- Tlauele**, Mexican word 14: 524.
- Tleē'ka Designs**, mention of 41: 254-258.
- Tlolding**, stick game of the 24: 238.
- Tlingit Indian**
 basketry of the 41: 364, 370, 373.
 copper masks of the 46: 34.
 customs concerning caste system 26: 427.
 customs concerning childbirth 26: 429.
 customs concerning communal property 26: 425.
 customs concerning death 26: 429-434.
 customs concerning marriage 26: 423 *sqq.*, 428 *sq.*
 customs concerning morality 26: 427 *sq.*
 customs concerning naming of the months 26: 425 *sqq.*
 customs concerning naming of the stars 26: 427.
 customs concerning puberty 26: 428.
 customs expressing relationship terms 26: 424 *sq.*
 customs showing respect 26: 424, 435.

Tlingit Indian—Continued

- games of the 24:
 - dice games 130 *sq.*, 189.
 - hand game 288 *sq.*
 - stick games 245 *sq.*
 - tossed ball 709.
- legend of the 18: 450 *sq.*
- material, introduction to 26: 395 *sq.*
- material relating to 27: 8.
- name for Tsimshian 31: 44.
- reference to 30: 19.
- researches among the 25: xvii.
- sacred regard of, for crow 14: 982
- work among, of Dr. J. R. Swanton 26: xviii.

See also Thlinkit.

Tlingit Language

- grammar of the 26: xviii, xxi, xxii.
- relationship to Haida 26:
 - conclusions 485.
 - lexical similarities 475–485.
 - phonetics 472.
 - roots and stems 472 *sqq.*
 - structure of sentence 475.
 - word composition 474 *sq.*

Tlinkit. *See* Tlingit.**Tlisso Tso**, material furnished by 24: 93.**Toad Clan**

- native names for 42: 115, 233.
- story concerning 42: 109.

Toads

- feet of, as charms 35: 649 *sqq.*
- in Cherokee myth 19: 306.
- use of, for poison medicine 37: 263.
- worship of 30: 138 *sq.*

See also Frogs.

Tobacco

- account of origin of 37: 66, 437.
- account of, Pima 26: 118 *sqq.*
- among the Tlingit 26: 430, 458, 459, 467.
- as an offering 47: 281.
- as emetic 38: § 920.
- at potlatch, Tlingit 26: 438.
- burned in appeal to Thunder god 32: 421.
- burned in offering made to pigeons 32: 696.
- burned with invocations 32: 583.
- cast upon fire as offering 32: 659, 660.
- ceremonial relating to 11: 425.

Tobacco—Continued

- ceremonial use of 33: 81; 37: 141, 145, 151, 330, 348, 429; 39: 53, 58, 61, 69 *sq.*, 79, 257, 295; 40: 41, 81, 87, 221, 243, 269, 279, 356, 359, 362, 364, 368, 391, 393, 395, 397, 399, 419, 421, 427, 463, 465, 507, 513, 535; 42: 449, 537, 554, 576, 578 *sq.*, 587; 45: 558, 707, 723; 46: 447, 596; 47: 280 *sq.*, 299, 491.

Cherokee 19: 439.

chewing of 38: § 284.

clan name from 30: 86.

connection of, with Waba'ho^a 27: 206.

cultivation of 38: § 246; 45: 344.

custom connected with 42: 452.

desire for, by skeletonlike man 32: 81.

Eskimo methods of using 18: 271 *sq.*

Eskimo terms for 9: 71.

for visitors 38: § 810, 811.

given as present for medicine 32: 492.

in Menomini myth 14: 187.

in mythology, Pima 26: 224, 232, 248.

in song, Pima 26: 337.

in Thunder ceremony 27: 143.

introduction of, among Eskimo 9: 71 *sq.*

introduction of, among the Cherokee 18: 229.

juice of, medicine power of 30: 328.

journey to secure 32: 581.

legend of Mawári and 30: 192.

licking 38: § 285.

magical use of 32: 483.

Menomini ceremony of 14: 215.

Menomini dance of 14: 247.

mention of 33: 113, 136.

mixed with sumac for smoking 42: 659.

mystic origin of 14: 205, 253.

myths and lore concerning 11: 62; 19: 254 *sq.*, 344, 424, 438 *sq.*, 481.

native, found at Casa Grande 28: 143.

not smoked but chewed by the Tsimshian 31: 52.

object of conjuration with 42: 580.

Tobacco—Continued

- occlusion of vision by 30: 298 *sq.*
- of the Omahas 3: 309.
- offering of, as incense 32: 664, 665, 683.
- offering of, at Tusayan 15: 301.
- offering of, by the Siouan Indians 15: 172.
- offering of, by the Sioux 14: 822.
- ffering of, in Menomini ceremonial 14: 85.
- offering of, in thanksgiving 32: 627.
- offering of, to medicinal plants 44: 325.
- offering of, to spirits 37: 170, 320, 453, 501-505.
- offering of, to the dead 14: 69.
- offering of, to the powers 22, ii: 102 *sqq.*
- offering of, to tree 44: 386.
- on head of Kiowa sacred image 17: 240.
- origin of 30: 246, 334-338.
- pathway to, guarded 32: 82.
- placing of, in War-bundle feast 37: 451.
- preparation of 32: 213.
- probable place of origin of 33: 59.
- reference to 29: 53, 56.
- sacred character of 42: 703.
- smoke, used for earache 43: 264.
- smoking of 38: § 283.
- smoking, while listening to story 32: 744, 745.
- trade in 45: 113.
- traditional origin of, Iroquois 2: 79.
- use of, among Northern Indians 11: 234, 291, 302.
- use of, by Antilleans 25: 63 *sq.*
- use of, by Menomini 14: 249-253.
- use of, by Point Barrow Eskimo 9: 65-72.
- use of, for purification 42: 592 *sq.*
- use of, for smoking 45: 494 *sq.*
- use of, in ceremonials 11: 377.
- use of, in ceremonies of the Mide'win 7: 231, 260, 262.
- use of, in Hako ceremony 22, ii: 56 *sqq.*
- used as a head wash 45: 467.
- used in ball game 14: 128.
- used in medicines 30: 54.
- used in ordeals 30: 338 *sqq.*
- used in restoring life 32: 308.

Tobacco—Continued

- used to invoke spirits 30: 95, 191 *sq.*
- wild, description of 42: 662.
- wild, mythical origin of 42: 509.
- wild, use of 42: 662.
- See also* Cigarettes; Pipes; Smoking.
- Tobacco Bags 45: 50.
- Tobacco Basket, terms for 42: 397.
- Tobacco Beggars, performance of 42: 566.
- Tobacco Clan
 - East Mesa Nataacka masks kept by 21: 70.
 - of Cheylon, reference to 28: 139.
 - same as Sa clan 19: 615 *sqq.*
 - See also* Piba Clan.
- Tobacco Implements, Eskimo 18: 273-285.
- Tobacco Phratry in Awatobi 17: 611.
- Tobacco Plains Cootenai 7: 85.
- Tobacco Pipes. *See* Pipes.
- Tobacco Pouches of the Omaha 13: 280.
- Tobacco, Rabbit, medicinal use of 42: 663 *sq.*
- Tobacco Rabbit Clan. *See* Piba-Tabo.
- Tobacco Wi'-gi-e 45: 723 *sqq.*
- Tobago
 - artifacts of 34: 78.
 - grinding stone from 34: 125.
 - number of specimens from 34: 49.
- Tobar, Pedro
 - Tusayan visited by, in 1540 17: 578, 595, 596, 631.
 - See also* Tovar.
- Tobikhar
 - games of the 24:
 - ball race 680.
 - dice games 172.
 - hand game 314 *sq.*
 - hoop and pole 500.
 - numbers of 19: 870, 876, 923, 930.
 - population of 7: 110.
- Tobin, James, appointed minister of Shaker church 14: 758.
- Tobique, dice games of the 24: 50.
- Toboggans of the Nenenot 11: 307.
- Tocax, De Soto's visit to 19: 29.
- Toccoa, myth concerning 19: 418.
- Toccopola, Miss., trail to 42: 820.

- Tocde** land cessions and reservations 18: 786.
- Tocher**, mention of 46: 231.
- Tochtli** day symbol, discussion of 16: 235.
- Tocia** land cessions and reservations 18: 782.
- Tocobago**, mortuary customs of 42: 701.
- Tocwogh**, mention of 42: 706.
- Today**, signs for 1: 366.
- Todd, Prof. J. E.**
 name "bowlder mosaics" given by 12: 534.
 on directive markings of animals 17: 167*.
 on Ohio Cherokee 19: 79.
- Todolebo**, Arawak spiral weft 38: § 412.
- Tó'-édalte**, death of 17: 270.
- Toeneche** land cessions and reservations 18: 782.
- Toes**, Eskimo use of, in counting 18: 236.
- Togiak**, mention of 46: 162, 190, 238, 251, 252.
- Togiak Crania**
 basiofacial diameters 46: 279-282.
 dental arch 46: 276.
 facial 46: 266.
 facial angles 46: 285.
 means 46: 286.
 mention of 46: 256, 257, 259, 262, 263.
 nose 46: 268, 270.
 orbits 46: 274.
 skulls of children 46: 295.
- Togiak River**, toys from 18: 346.
- Togyé'dí**, *Tlingit* clan, phratry and tribe of 26: 399.
- Toh**
 day symbol, discussion of 16: 237.
 meaning of 16: 238.
- Tohaint**. See **Dó-héñete**.
- Toharu**, the living covering of the earth 22, ii: 220.
- Tohil**, a Quiche deity 16: 238.
- Toho**
 description of 21: 105, 106.
 picture of, in house of war god 21: 25.
- Toho Clan**, relations of, with *Tcūa* clan 19: 588 sqq.
- Tohopeka; Tohopki**. See **Horseshoe Bend**.
- Tohouse** in Pima legend 28: 49, 50, 51.
- Toilet**
 articles of the Eskimo 9: 149 sq.
 plants used for 30: 83, 88.
 See also **Adornment; Dress; Ornament**.
- Tok**, meaning of 16: 232.
- Toka**, legendary Pima game 28: 46.
- Toka'lo Society**, account of 27: 486.
- Tokens** of authority 4: 168.
- T'ó-k'ifñahyup**, division of the Kiowa 17: 227.
- Toklat River**, mention of 46: 125.
- Toklik**, mention of 46: 72.
- Tokoanu (Hopi) Clan**, reference to 19: 583.
- Tokonabi, Southern Utah**
 clans from 19: 587-594.
 pueblo of, reference to 19: 586.
 references to 28: 159; 42: 5.
 religious societies from, at Walpi 19: 623 sq.
- Tokoroi-mo**, evil due to 30: 349.
- Tokotci**, picture of, in house of war god 21: 25.
- Tokotcpatcuba**, garment worn by Yehoho 21: 106.
- Tokowari**, Carib name for clay goblet 38: § 389.
- Tolageak**, mention of 46: 207, 208.
- Toldt, C., jr.**, mention of 46: 373.
- Tolentino Señor** —, amulet found by 25: 144.
- Tolkotin**, cremation among the 1: 144, 146.
- Tollunteskee**
 Cherokee chief 42: 833.
 death of 19: 136.
 invitation to missionaries by 19: 136.
 reservation for 19: 85.
 treaty signed by, in 1806 19: 85.
- Tolete**, hook used in catching alligator 38: § 217.
- Tolmie, W. F.**
 Chimmesyan vocabulary of, cited 7: 64.
 Salishan researches of 7: 104.
 Shahaptian vocabularies of 7: 107.
- Tolmie, W. F., and Dawson, G. M.**
 linguistic literature of 7: 25.

- Tolmie, W. F., and Dawson, G. M.**—
Continued
map of, cited 7: 53, 64.
on boundaries of the Haeltzuk 7: 130.
- Tolome**, tribe of the Choctaw Confederacy 19: 500.
- Tolovana**, mention of 46: 41, 126.
- Tolow**, burial superstition of 1: 200.
- Tolumne**
land cessions and reservations 18: 782.
See also Yolumne.
- Toltecs**, nationality of, not asserted 12: 598.
- "Tom Fuller,"** nature of 19: 452.
- Tomahawk Pipes**, collection of 18: XLVII.
- Tomahawks**
burial of, with the dead 44: 458.
manner of using 46: 555.
of the Omaha 13: 284.
use of, by the Okanagon 45: 255.
- Tomahitan Indians**, mention of 42: 745.
- Tomai-en**, Carib name for ordinary clay buck-pot 38: § 389.
- Tomanawas Ceremonies** 4: 70, 73.
- Tomás de Córdova, Pedro**, on Porto Rico 25: 20.
- Tomassee**, encounter at 19: 51 sq.
- Tomatilla**
use of, as food 30: 68.
use of, in ceremonies 30: 94.
- Tomau**
death of 14: 55 sq.
genealogy of 14: 54, 58.
- Tombigbee River**
pottery of 20: 107 sq.
trails crossing 42: 823, 824.
- Tombstone, Ariz.**
earthquake at 26: 60.
reference to 28: 54.
- Tomcod**, Eskimo implements used in catching 18: 175-178, 183.
- Tóme**, a Kiowa trader 17: 172, 262.
- Tome Tuskumuggee** at Coweta 42: 309.
- Tomechaw**
Kasihta "war king" 42: 34.
name interpreted 42: 34.
- Tomehuichi**, "dog king" of the Hitchiti 42: 34.
- Tóme-te.** *See* Tóme.
- Tomlinson, A. B.**, shell plates described by 2: 264.
- Tommarthle Micco**, chief of Upper Creeks 42: 315 sq.
- To-mo**, "baboon throat" leaf basket 38: § 455.
- Tomochichi**
a descendant of the Apalachicola 42: 38.
chief of the Yamacraw 42: 38.
in England 42: 38, 397.
treaties with Georgia by 18: 634, 635.
- Tompkins, Gen. Charles H.**, on partial cremation 1: 151.
- Tompkins, H.**, census of Cherokee in 1867 by 5: 351.
- Tomson, Robert**
on Mexico in 1556 14: 363, 375.
quotation from 14: 507.
- Tomtit.** *See* Titmouse.
- Ton-a-en-ko.** *See* T'ené-angópte.
- Tón-ak'á**, stealing of woman by 17: 353.
- Tonala**, settlement of, by Guzman 13: 473.
- Tonawanda Reserve**
establishment of 18: 660.
grant of right to repurchase 18: 818.
sale of 18: 772, 776.
- Tōnā'sqet**, story of 45: 270 sq.
- Tondaganie's Village**
cession of reserve at 18: 734.
reservation at 18: 674.
- To'deamonthin**, keeper of Ponca War Honor Pack 27: 43.
- Toneennili**, the water-sprinkler, song addressed to, in Navaho ceremonial 8: 259.
- Tonga**
and Central American linguistic similarities 16: 236.
and Zapotec term compared 16: 262.
- Tongas, Tlingit town**
clans at 26: 409, 410, 416.
first settlers of 26: 408.
- Tongas, Tlingit tribe**
affinities of 26: 410.
clans and house groups of 26: 400-407, 408.
mention of 26: 396.
phratries and clans of 26: 398.
population of 7: 87.

- Tongass, Alaska**, excavations at 43: 13.
- Tongs**
 for cleaning spruce roots 35: 113, 116, 120.
 for holding cedar bark 35: 128, 133.
 for hot stones 35: 73, 75, 88, 89, 105, 107, 258.
 for lifting boiled fish 35: 315, 317, 318, 321.
 for roasting 35: 229, 232, 234, 244, 306.
 mention of 35: 348, 351, 352, 355, 366, 369, 374, 477.
 of the Omaha 13: 279.
 small, used for eating 35: 568.
- Tongue**
 pierced, for blood as therapeutic agent 38: § 924.
 pierced, in mourning 38: § 853.
 Serian and Yuman names for 17: 297*, 328* *sqq.*
 sore, Zuñi method of treating 30: 50.
- To'ngyā-gu'adal**, Kiowa name for Red Tail 14: 1085.
- Tonikan Family**
 connection of, with Lower Mississippi Valley pottery 20: 102.
 mention of 7: 125.
- Tonkawa**
 Cherokee relations with 19: 391.
 identified with the Querecho 14: 396.
 killing of Comanche by 17: 199.
 Kiowa hostility to 17: 165.
 land cessions and reservations 18: 946.
 language, dictionary of 29: 13, 14.
 legend of 19: 501.
 outlawry of 17: 172.
 Ponca name for 27: 103.
 settlement of, on Cherokee Strip 19: 151.
 study of 19: xvi.
- Tonkawan Family**, mention of 7: 125 *sq.*
- Tonkawē Indians**
 language of, study of 13: xl.
 language of, vocabulary of, collected by Gatschet 7: 82.
 language of, work of Gatschet on 6: xxxiii, xxxiv.
- Ton-ki**, Makusi name for cassava squeezer 38: § 345.
- Tóñkóñko or Toñkoñ'ko**
 a Kiowa military order 14: 989; 17: 230, 284, 315.
 Kiowa name of the Blackfeet 17: 160.
- Tónkp'ódal-kyä-to**, war party led by 17: 255.
- Tonquish's Village**
 cession of reserve at 18: 718.
 reservation at 18: 676.
- Tonsilitis**, remedy used for 42: 660.
- Tonsure** among the Eskimo 18: 57.
- Tonti**, —
 cited 7: 61.
See also Tonty, Henri de.
- Tonto**
 description of 28: 216.
 in fight at "Bloody Tanks" 26: 51.
 in fight with Pima-Maricopa force 26: 47.
 in Pima legend 28: 51 *sq.*
 origin of the term 17: 534.
 reference to 28: 51.
- Tonto, Jack**, in fight at "Bloody Tanks" 26: 50 *sq.*
- Tonto Apache**
 disposal of land claimed by 18: 922.
See also Tonto.
- Tonto Basin**
 "magic tablet" recorded from 28: 122.
 pottery from 28: 140.
 reference to 28: 51.
 ruins in 17: 534.
 study of ruins of 39: 22.
- Tonto National Monument**, creation of 29: 20.
- Tonto River**
 ancient migration route 28: 153, 158, 218.
 ruins near mouth of 29: 16.
- Tonto Valley**, field work in 22, i: xiii.
- Tontontecac**, derivation of the term 28: 51.
- Tonty, Henri de**
 an authority on the Caddo 42: 680.
 Kwapa village mentioned by 15: 193.
 quoted 12: 665.
See also Tonti.

Ton'wongaxe, Omaha chief 27: 100, 171 *sq.*
Ton'wongaxe Shkonthaithon, location of 27: 100.
Ton-won'-i-hi, an informant 39: 82, 83.
Tonwonni Creek, reference to 27: 86.
Ton'wonpezhi. *See* **Bad Village**.
Ton'wontonga, Omaha village 27: 86, 631.
Tonwontongathon
 location of 27: 99.
 See also **Large Village**.
Ton'worzhinga, location of 27: 100.
Tooanoghoni, cession of land by 18: 635.
Tooantuh, McKenney and Hall on 19: 137.
Toohulhulsote, a Dreamer priest 14: 713.
Tool Bags of the Eskimo 9: 187-190; 18: 93.
Tool Boxes of the Eskimo 9: 185 *sqq.*; 18: 93-98.
Tool-Sense, Seri lack of 17: 152* *sqq.*
Tools
 birch-bark, Eskimo 18: 9.
 of the Eskimo 9:
 adzes 165-172.
 awls 181 *sq.*
 bow drills 176-182.
 chisels 172 *sq.*
 drills 175-182, 189.
 files 182.
 for building 302 *sqq.*
 for excavating 302 *sqq.*
 for snow and ice working 304-309.
 hammers 182.
 knives 150-165.
 mattocks 302 *sqq.*
 picks and pickaxes 302 *sqq.*, 307 *sq.*
 reamers 181 *sq.*
 saws 174 *sq.*
 whalebone shaves 173 *sq.*
 whetstones 185.
 of the Guiana Indians 38: p. 69-79 (Ch. I).
 of the Seri 17: 217*, 230*, 232*-254*.
 pottery-making, development of 20: 135.

Tools—Continued

 skin-dressing, Eskimo 18: 112.
 used by Eastern United States potters 20: 35 *sq.*, 51, 52, 56.
 used by Eastern United States potters in producing and imitating textile markings 20: 68, 71, 72, 73-80.
 used by Iroquois potters 20: 161.
 used by Navaho silversmiths 2:
 anvil 173.
 awl 174.
 bellows 172.
 blowpipe 175.
 cold chisel 174.
 crucibles 173.
 files 174.
 forge 172.
 hammers 174.
 inefficient 178.
 mention of 172.
 metallic hemispheres 174.
 molds 173.
 pliers 174.
 scissors 174, 178.
 tongs 174.
 used in basket-making 41: 154, 392.
 used in flaking 15: 58.
 used in harvesting food 45: 91 *sq.*
 used in quarrying 15: 23.
 used in steatite working 15: 119-123.
 wood-working, Eskimo 18: 85-93.
 See also **Bones**; **Gourds**; **Implementments**; **Knives**; **Modeling Tools**; **Molds**; **Paddles**; **Roulette**; **Shells**; **Stamps**; **Stones**; **Utensils**; **Wheel**; and tribal and geographical names.
Toomna land cessions and reservations 18: 782, 822.
Too-Quixe-Pillaana, meaning of 16: 231.
Tooth
 deformation of 38: § 502.
 necklace 38: § 531-533.
 scraper made of 38: § 18.
 Serian and Yuman names for 17: 297*, 328* *sqq.*
 the tree called 21: 176.
 used as a knife 38: § 510, 733, 736, 749.
 wear, Eskimo 46: 265, 309.
 See also **Teeth**; **Toothache**.

Toothache

- among the Pima 26: 268.
- cure for 30: 52, 60, 371.
- remedy used for 42: 660, 663, 664, 666; 47: 241.
- treatment for 44: 342.

See also **Dentistry; Teeth; Tooth.**

Tootootena. *See* **Siletz Reserve.****Topenebee's Reserve**, cession of 18: 750.**Topia or Topira** in Durango 14: 353.**Topinagugim**

- games of the 24:
 - archery 388.
 - football 698, 702 sq.
 - handball 294 sq.
 - hoop and pole 484.
 - racket 597.
 - snow-snake 414.

Topinard, Dr. P., mention of 46: 232, 305, 316, 330, 333.**Topinish**

- a Qa'pnišh synonym 14: 739.
- and Klúkatāt affinity 14: 738.

Topira

- expedition of Coronado to 14: 476.
- See also* **Topia.**

Topknot Quail eaten by the Pima 26: 80.**Topography**

- houses of Walpi constructed to conform to 8: 64.
- of Shupaulovi 8: 71.
- of the Ungava district 11: 168.
- represented in pictographs 10: 341-347.

Topping, Enoch A., commissioner to appraise Indian lands 5: 363.**Tops**

- general description of 24: 733.
- of the Eskimo 18: 340 sq.
- of the Guiana Indians 38: § 615.
- played by the 24:
 - Arapaho 733.
 - Bannock 742 sq.
 - Blackfeet 734.
 - Cheyenne 734.
 - Chippewa 734.
 - Clallam 741.
 - Cree 734.
 - Crows 745.
 - Dakota 747.
 - Dakota, Oglala 733, 745 sq.
 - Dakota, Teton 746.

Tops—Continued

played by the 24—continued

- Dakota, Yankton 746.
- Eskimo 733.
- Eskimo, Central 736, 737.
- Eskimo, Labrador 737.
- Eskimo, Western 737 sqq.
- Gros Ventres 734 sq.
- Haida 747.
- Hidatsa 747.
- Hopi 743 sq.
- Keres 740.
- Kiowa 740.
- Klamath 740 sq.
- Maya 741.
- Niska 733, 736.
- Nootka 749.
- Norridgewock 735.
- Northwest coast tribes 733.
- Omaha 747, 760.
- Paiute 744.
- Ponca 747.
- Pueblo Indians 733.
- Sauk and Foxes 735.
- Shoshoni 744.
- Tewa 747 sq.
- Thompson Indians 742.
- Tigua 748.
- Tsimshian 736.
- Yakutat 740.
- Yokuts 741.
- Zuñi 749 sq.

spinning among the Eskimo 18: 333.

used by Arapaho boys 14: 1006.

Toquamske, sale of land by 18: 616.**Tor Stick**, game of the 24: 668.**Torch**

- for fishing 38: § 189.
- mention of 38: § 5.
- of the Tsimshian 31: 396.

Toreva, march of Flute society to the pueblo of 19: 999 sq.**Tories**, use of Indian disguise by 19: 47, 48.**Tornait and Angakut** 6: 591-598.**Tornit, The** 6: 634 sqq., 640.**Torquemada, Juan de**

- cited on day symbols 3: 46, 49.
- cited on Indian head dresses 9: 582.
- mention of 1: 232.
- on Californian fishing devices 17: 194*.

- Torquemada, Juan de**—Continued
 on Ramon Pane 25: 55.
 quoted on Aztec customs 9: 522, 523, 524, 525.
- Torre, Diego Perez de la**
 administration of 14: 474.
 appointment of, to replace Nuño de Guzman 14: 357.
 mention of son of 14: 592.
- Torrents**, tears of spirits 30: 236.
- Torres, Juanita**, information obtained from 47: 349.
- Torres, Luis de**, emissary of Columbus 25: 203.
- Torres, Luis Lorens**
 on ancient South American languages 25: 218.
 on Antillean languages 25: 78.
 on cave of Yobobala 25: 56.
 on name Borinquen 25: 98.
- Torres of Panuco**, wounding of, at Cibola 14: 557.
- Torres Straits**
 islanders, scarification of 10: 417.
 people of, number names of 19: 877.
- Torresia Odorata**
 use of 44: 294, 378.
See also Sweetgrass.
- Torros Reserve**, establishment of 18: 886.
- Tortillas**, preparation of 30: 71.
- Tortoise**
 characteristics of 30: 369.
 in Navaho genesis 17: 488.
 treatment of, by Zuñi, after ceremonies 23: 161.
 use of, by Zuñi, during dances 23: 160, 161.
 Zuñi name for 23: 148.
See also Terrapin; Turtle.
- Tortola**, number of specimens from 34: 49.
- Torture**
 among the Indians 16: 24.
 among the Siouan tribes 15: 170, 184.
 ceremonial 11: 503, 505.
 in the Sun dance 11: 462, 465.
 of captives 17: 188; 42: 189, 416 *sqq.*
 of enemies 46: 491 *sq.*, 551.
 represented in Troano Codex 16: 229.
See also Self-torture.
- To-sa-in.** *See Tä'sawi.*
- To'seluna**, young men appointed to visit 23: 94.
- To-she-wi.** *See Tä'sawi.*
- Tossed Ball**
 general account of 24: 561, 708.
 played by the 24:
 Abnaki 708.
 Assiniboin 710.
 Choctaw 709.
 Eskimo, Central 709.
 Hidatsa 710.
 Miami 708.
 Montagnais 708.
 Natchez 710.
 Nishinam 710.
 Niska 709.
 Thompson Indians 710.
 Tlingit 709.
 Zuñi 710 *sq.*
- Tossing Play**, a Missisauga game 24: 538.
- Toste.** *See Coll y Toste.*
- Totanimio**, account of 18: 613.
- Totca**
 description of 21: 73.
 personation of, in Powamû 21: 32.
- Totci**, figurines of Corn Maidens by 21: 88.
- Totem Animals**
 descent from 42: 110, 168.
 Eskimo custom of wearing 18: 322-325.
 etiquette extended to 42: 168.
 taboo against killing 30: 297; 42: 168, 169.
 Unalit terms relating to 18: 322.
- Totem Clans**, myth regarding naming of 13: 386.
- Totem Poles or Posts**
 absence of, among the Omaha 13: 274.
 first appearance of, in Alaska 26: 411.
 mention of 4: 68.
 restoration of, at Old Kasaan 43: 13.
 slave killed during erection of 31: 435.
- Totem Signs**, Eskimo use of, on grave boxes 18: 311, 312.
- Totemic**
 marks of the Abnaki 14: 65, 66.
 marks on graves 14: 74, 240.

Totemic—Continued

- names, Dakota and West Virginia 4: 17.
- organization of the Menomini 14: 42.
- organization of the Seri 17: 10 sq., 166* sq., 168* sq., 269*–274*.
- pictographs 4: 165, 231.
- system, explanation of 10: 388 sq.
- value of pottery, Florida Peninsula 20: 128.

Totemic Monuments, investigation of 42: 63.

Totemism

- among the Creeks 42: 695 sq.
- among the Winnebago 37: 185 sqq.
- mention of 2: 150.
- study of philosophy of 23: xxxix.

Totems

- account of 27: 195, 602.
- descent from 37: 197 sq.
- distinct from town emblem 42: 243.
- in savage society 16: 21; 20: xciv.
- mention of 4: 98, 167.
- of the Menomini 14: 39–42.
- relation of, to taboos 44: 198.
- represented on cabin 42: 182, 235.
- significance of 14: 696.
- Siouan reverence for 15: 184.
- titles and names 10: 376–391.
- usage connected with 11: 371.

See also **Clan Animals**; **Totem Animals**; **Totemism**.

Toterós. *See* **Tutelo**.

Toto land cessions and reservations 18: 784.

Totokya

- ceremonies at Cipaulovi 16: 279.
- Hopi ceremonial day of 21: 20, 52, 121.

Totonac, ancient inhabitants of Vera Cruz 25: 231, 250.

Totonaca

- kingdom of 19: 598.
- method of forming numbers above ten 19: 911, 931.

Totonacapan, native name for Vera Cruz 25: 231.

Totonaka, a Hopi deity 17: 647.

Totonteac

- cartographic history of 14: 403.
- Coronado's account of 14: 560.
- cultivation of cotton at 14: 550.

Totonteac—Continued

- identification of, with Tusayan 14: 357; 17: 534.

suggested origin of 17: 534.

See also **Hopi**; **Moki**; **Tusayan**.

Totopotomy, act of Virginia assembly affecting 18: 565.

Totoro-(u)kuro, Arawak cotton ankle 38: § 552.

Totteroy River, location of, by Pownall 7: 114.

Totyó in Hopi mythology 16: 303.

Touatihú, mention of 1: 230.

Toucan, *Rhamphastos* sp.

- calling of the 38: § 159.
- carvings of the 2: 135.
- robbed of its feathers 38: § 183.
- stunned 38: § 122.
- taming of 38: § 724.
- use of beaks of, for bells 38: § 575.
- use of feathers of, for tippets 38: § 538.

Touch, relation of, to vision 19: lxii sq.

Touch-me-not, Wild 33: 101.

Touch-the-Clouds, death of 17: 294.

Toudamani, war waged by 43: 455.

Toulé Dance, mention of 38: § 840, 865.

Toumey, J. W., on absence of wild rice in Arizona 19: 1029.

Toupinambou Indians, legends of the 30: 363.

Tourists, money collected from 47: 55.

Touvinga Negroes, description of the 30: 364.

Tovar, Fernando de, position of 14: 477.

Tovar, Pedro de

accompanies Gallego to Corazones 14: 395.

appointment of, as ensign 14: 477.

at San Hieronimo 14: 502.

attack on Seri (?) by 17: 54.

discovery of Tusayan by 14: lvii, 390, 488, 562, 574.

flight of, from Suya 14: 530, 533.

journey of, from Tiguex to Corazon 14: 577.

use of papers of, by Mota Padilla 24: 557.

wounded by Indians 24: 557.

- Towa Quaatam Ochse**, legendary Pima magician 28: 51.
- To'wa yäl'länně**, legend of 30: 35.
- Towahnahiook**, application of the name 14: 742.
- Towakarehu**, population of 7: 62.
- Towakoni, Jim**, acknowledgments to 14: 655.
- Towanapee**, Menomini treaty commissioner 14: 21.
- Towels**
of the Kwakiutl 35: 129, 531.
white cedar bark used as 35: 314.
- Tower, M. S.**, circular enclosure on land of, New York 12: 510.
- Tower of Ruin No. 3** 33: 165.
- Towers**
of the Mesa Verde 41: 80 sq.
study of 40: 3.
- Towers of Silence**, description of 1: 104 sqq.
- Town**
arrangement of 42: 171 sqq.
evolution of 42: 170 sq.
unit composing 42: 170.
use of the word 42: 242.
See also Towns.
- Town Chief**
assistants to 47: 258.
office of 47: 256 sqq.
Oraibi 47: 354.
paraphernalia of 47: 331.
- Town cleaning**, day of 47: 308.
- Town Council**, functions of 42: 306.
- Town Creek, Ala.**
collection from mounds near 42: 18.
mounds at mouth of 44: 436, 450.
- Town Fathers**
altar of 47: 310.
chief of 47: 267.
costume of, for ceremony 47: 309.
names of 47: 268.
- Town Fathers Society**, specialization within 47: 266.
- Town House**
apparent ruins of 41: 501.
heating and lighting of 19: 230.
strangers lodged in 42: 447.
See also Temple.
- Town-house Dance**, effect of Snake myths on time of holding 19: 295.
- Town Site, Gordon**, size of 41: 495.
- Town Square**
description of 41: 501-514.
indications of 41: 495.
seating in, at general council 42: 312.
size of 41: 498.
uses of 41: 498.
See also Square Ground.
- Town, Walled.** *See Walled Town.*
- Town Yard.** *See Square Ground.*
- Towne, Philip**
material collected by 24: 69, 535.
on dice game, Cree 24: 69.
on ring and pin, Cree 24: 535.
- Towns**
busk names of 42: 614.
clans, phratries and moieties of, tabulation of 42: 158-162.
classification of 42: 327 sq.
classified as Red or White 42: 254 sq.
discussion of classification of 42: 255 sqq., 259.
discussion of names of 44: 213.
emblems of 42: 243-246.
facial painting distinctive of 42: 246.
five lists of 44: 212.
geographical division of 42: 306 sq.
location of, on large rivers 31: 394.
most influential, in 1791 42: 323.
natural classification of 42: 248-259.
Tlingit, lists of 26: 397.
unity of 42: 246 sq.
See also Red Towns; Town; Villages; White Towns.
- Townsend, C. F.**, mention of 46: 68.
- Townsend, E. B.**, agent for Pima 26: 34.
- Tox day symbol**, discussion of 16: 231.
- Toxaway.** *See Tocax.*
- Toxeus**, sagamore of Norridgewock 43: 174.
- Toxicodendron Toxicodendron** 33: 100.
- Tox-oghbil**, meaning of 16: 231.
- Toxylon Pomiferum** 33: 76.
- Toy Baskets**, mention of 41: 146.
- Toy-like Objects**
Eastern United States pottery 20: 25, 40, 41, 124.

Toy-like Objects—Continued

Florida Peninsula pottery 20: 116.

Middle Mississippi Valley pottery
20: 83, 99.

Toy-like Vessels of clay from Wolpi
2: 381, 385.

Toys

buried with children 40: 455.

from Cochiti 2: 408.

from Tesuke 2: 414.

from Wolpi 2: 391.

from Zuñi 2: 370.

in graves of children 41: 548, 604.

made from plants 44: 379.

mention of 45: 135.

of basketry 41: 209.

of Eskimo children 9:

buzzes 378.

dolls 380 *sq.*

imitation implements 383.

kaiak paddler 381 *sqq.*

pebble-snappers 379.

teetotums 378.

whirligigs 376 *sq.*

whizzing sticks 379.

of pottery from Sikyatki 17: 656.

of the Eskimo 18: 331, 340-347.

of the Guiana Indians 38: § 609-
621.

of the Nenenot 11: 326.

use of, to teach children 46: 52.

To-yuranni, wooden float for arrow
38: § 140.

Tozzer, Dr. Alfred M.

material collected by 24: 767, 772.

on cat's cradle, Navaho 24: 767.

on dice games, Maya 24: 143.

on string trick, Maya 24: 762.

on top game, Maya 24: 741.

on unclassified games, Maya 24:
783 *sq.*

work of 37: 21.

T'Peeksin land cessions and reserva-
tions 18: 798, 818, 864, 872.

Trachoma at Laguna 47: 54, 349.

Track Rock Gap, myth concerning
19: 453.

Tracking

animals, Guiana Indian 38: § 784.

skill in, of the Chickasaw 44: 240.

Tracy, Marquis de, commission to 18:
547 *sq.*

Tracy, Edwin S.

acknowledgment to 27: 31.

Tracy, Edwin S.—Continued

transcription of Hako music by
22, ii: 15, 16.

Tracy, S. M., on wild rice in Missis-
sippi 19: 1030.

Trade

aboriginal, about Seward Peninsula
46: 89.

among the Cherokee 19: 31, 34, 82.

among the Plains Indians 14: 527.

and barter 38: p. 632-637 (Ch.
xxxii).

and intercourse between Eskimo
tribes 6: 462-470.

and trading voyages, Eskimo 18:
228, 232, 305.

articles of 42: 452 *sq.*; 45: 112-
115, 253, 254, 255, 358.

berry cakes used in 35: 269.

between Plains and Pueblo Indians
14: 578.

between tribes 42: 736-740.

confusing effect of, on pottery
records 20: 19.

development of, in northeastern
section 42: 723 *sq.*

distances covered in 42: 737.

Eskimo, articles of 18: 229 *sqq.*

Eskimo, in relics 46: 173.

general account of 26: 92 *sqq.*

herring spawn used in 35: 254.

in basketry 41: 156-159.

in fossil ivory 46: 87, 88, 89, 91, 93.

in other relics 46: 102, 103.

in pipes, Eastern United States 20:
173.

in pipes, Middle Atlantic province
20: 158.

in pipes, South Appalachian province
20: 140.

Indian stories of 14: 472.

intertribal 19: 235.

Kwahadk' and Pima 26: 124, 129,
130.

materials used in 42: 736, 737.

Mohave and Pima 26: 161.

of Okanagon group 45: 250-255.

of Sonora Indians with Cibola 14:
357.

of Spaniards with Colorado River
Indians 14: 406.

of the Upper Missouri 46: 457-466.

Papago and Pima 26: 100, 114,
119, 129, 142, 147, 150, 161.

Trade—Continued

- pictographs for 10: 602.
- Pima and Mexican 26: 97.
- profits from 46: 460.
- signs for 1: 381, 450, 495.
- Tlingit and neighbors 26: 414.
- Tsimshian, lively 31: 57.
- with the Assiniboin 46: 397 *sq.*
- with Yukon 46: 89.
- See also* Traders; Trading.

Trade Language, Indian 19: 187 *sq.*, 235.

Trade Routes, mention of 45: 250–255, 355–358.

Traders

- Alaska, collections made by 46: 166, 173.
- among the Cherokee, North Carolina regulations concerning 19: 61.
- among the Kiowa 17: 171.
- among the Plains tribes 17: 168.
- demands upon 46: 460.
- general character of 27: 612 *sq.*; 46: 457, 621.
- government control of 27: 619.
- Indians exploited by 47: 33.
- influence of 27: 82 *sqq.*, 114, 212, 614, *sqq.*; 36: 43 *sq.*
- influence of, on Indian development 19: 231.
- influenced by native superstition 42: 502.
- introduction by, of 27:
 - cloth 616.
 - guns 617.
 - intoxicants 618.
 - metal implements 613 *sq.*
 - money 617.
- nature of records made by 42: 678.
- on Gila River reservation 26: 90.
- risks taken by 46: 459.
- Russian 46: 123, 127.
- safety granted to 42: 740.
- trail used by 42: 778.
- use of bells by 19: 483.

Tradescantia Virginica 33: 70.

Trading

- among the Northern Indians 11: 275.
- camps of the Eskimo 18: 261 *sq.*
- customs of the Eskimo 18: 309.
- Eskimo methods of 18: 230 *sq.*
- festival of the Eskimo 18: 361 *sqq.*

Trading—Continued

- house, building of 4: 109, 110, 111.
- method of 46: 458, 459.
- place of the Tennessee 42: 751.
- points on the Missouri 46: 407.
- posts, list of 17: 381.

Tradition

- concerning circular kivas 8: 135.
- concerning early occupancy of former pueblos by existing tribes 8: 225.
- concerning occupancy of Old Mishongnovi 8: 47 *sq.*
- concerning Payüпки pueblo 8: 40.
- concerning stone-close, Zuñi 8: 192 *sq.*
- Hano 8: 35.
- historical value of 8: 15.
- mode of transmitting 17: 145.
- of foundation of Walpi 8: 63.
- of Hopi water-people 13: 188.
- of origin of house of Leq!em 35: 817–820.
- of separation of Kwag-ul 35: 831 *sq.*
- of the Non'-hoⁿ-zhiⁿ-ga 36: 48.
- of the pipes, Omaha 3: 222.
- of the sacred pole, Omaha 3: 234.
- of the sacred pole, Ponca 3: 234.
- Pima, of Casa Grande 13: 319.
- presented by Medicine society 14: 67.
- regarding Hano and Tusayan languages 8: 36.
- Tusayan 8: 16–41.

See also Records; Traditions.

Traditionary Gentes of Tusayan, list of 8: 38.

Traditionists, Hopi, integrity and reliability of 19: 579.

Traditions

- Arikara 27: 38, 40, 41, 47–50, 485.
- Assiniboin 46: 402 *sq.*
- Cherokee, memoir on 19: 3–548.
- connected with Casa Grande 28: 42–52.
- crow and wolf 27: 446.
- Dakota 27: 73.
- Hopi, ignorance of, by young tribesmen 19: 579.
- Indian, historic value of 19: 1039.
- Kansa 27: 38.
- mention of 4: 84 *sqq.*
- of meeting with Padouca 27: 79 *sq.*

Traditions—Continued

- Omaha 27:
 environmental conditions 608.
 gentes 199.
 origin of Shell society 509-516.
 Sacred Pole 218.
 tribal migrations 36, 38, 72-75.
 Osage 27: 38, 40, 47, 62 *sq.*
 Pima, preservation of 26: 206.
 Ponca 27: 38, 40, 41, 47-50, 485.
 Ponca, Sacred Pole 27: 218.
 preserved by medicine-men 30:
 345.
 Quapaw 27: 38.
 regarding cliff-dwellings 16: 190 *sq.*
 relating of 46: 521.
 Teiwere 11: 430.
 Tusayan, memoir on 19: xxxix *sq.*
 Winnabago 37: 55-58, 59-69.
See also **Creation Myth; Sacred Legend; Tradition.**

Tragopogon Porrifolius 45: 484.

Tragopogon sp. 45: 493.

Trail

- made by hacking trees 32: 364.
 made to disappear 32: 387.
 methods of marking, on Great Plains
 14: 505, 509, 571.
 of the fur-traders 45: 359.
See also **Trails.**

Trailing, Decoration by

- Eastern United States pottery 20:
 52, 60.
 Iroquoian pottery 20: 164.
 Middle Mississippi Valley pottery
 20: 90.
 Northwestern pottery 20: 193, 197.
See also **Decoration; Intaglio; Incision.**

Trall, Catherine Parr

- on appearance of wild rice plant 19:
 1025.
 on gathering wild rice 19: 1063.
 on wild rice eaten with venison 19:
 1084.

Trails

- antiquity of 42: 740 *sq.*
 as dividing lines 42: 758.
 ceremonially closed 17: 596 *sq.*
 choice of, by Indians 42: 743.
 in Canyon de Chelly 16: 157.
 list of 42: 746 *sq.*
 made by animals 42: 788.

Trails—Continued

- names of 42: 744.
 of Tennessee, map of 42: 730.
 paper on 42: 17.
 principal, known to Tewa 29:
 from Nambé 358.
 from Peña Blanca to Domingo sta-
 tion 445.
 from San Felipe to Santa Ana
 497.
 from San Ildefonso to Cochiti
 314-319.
 from San Ildefonso to Caliente or
 El Rito 205.
 from San Ildefonso to Southern
 pueblos 323.
 general data on 106 *sq.*
 on Canoe Mesa 224.
 on Mesa del Rito 413.
 references to 383, 421, 423, 458.
 size of 42: 743
 Tâaaiyalana 8: 89.
 use of, by Spaniards 42: 828 *sq.*
 use of, by war parties 42: 757.
 Wolpi 8: 65, 66.

See also **Trade Routes; Trail.**

Training of dogs 38: § 719.

Trance

- among Indian devotees 11: 392.
 in ancient times 14: 929.
 in Shaker religion 14: 746, 751,
 752.
 of Smohalla 14: 719.
 of the Shawano prophet 14: 673.
 of Wovoka 14: 771.
See also **Dream; Hypnotism; Vision.**

Transformation

- Eskimo belief in 18: 426 *sq.*
 in Ghost dance doctrine 14: 1068.
 legends concerning 30: 184 *sq.*
 moon and, relation of 30: 257.
 myths relating to 19: 304, 462 *sq.*
 of body 30: 149, 150 *sq.*, 182, 184,
 199, 341.
 of men into animals 40: 37, 63,
 117.
 power of, of animals 37: 197.

Transformer

- heroes, Osage 37: 438.
 myths concerning 43: 180-189.
 myths of the Tsimshian 31: 567-
 722.

Translation

based on paraphrase 40: 295, 378.
work of F. F. Hilder on 20: XXIII.

Transmigration of Souls, belief in
11: 421, 493; 42: 710.

Transmission, Cultural, Yukon 46:
83.

Transoms over Pueblo doorways
8: 187 *sqq.*

Transparencies of birch bark 44:
390, 395.

Transportation

among Northern Indians 11: 304.
an element of commerce 20: XLIV
sqq.

by water among the Sioux 15: 172.
means of, by the Eskimo 9: 328-
360.

methods of 45: 108-112, 248 *sqq.*,
349-355.

of collections 46: 62.

of materials 15: 73, 75.

of quarry blades 15: 62.

of rock by stream 15: 138, 140.

of stone articles 15: 22.

of the Winnebago 37: 123.

of water, pottery for 4: 284.

substances employed in 20: XLVI.
to Walpi mesa, Indian method of
8: 61.

See also **Dogs; Domestic Pottery;**
Sled; Sledge; Travois.

Transportation Apparatus, Eskimo
18: 205-228.

Trap

for alligator 38: § 217.

for armadillo, labba, etc. 38: § 161.

for bird 38: § 177 *sqq.*

for bush hog 38: § 167.

for fish 38: § 194-206.

for perch, measurements of 35: 161.
invocation of the 11: 387.

represented in string figures 38:
§ 655, 656, 673-675.

See also **Traps.**

Trapdoors

frames furnished with hand-holds
8: 192.

kivas, no means of fastening 8:
113.

Sichumovi 8: 63.

Trapezoid, interpretation of 41: 326
sq.

Trappers, early American, in Pimería
26: 81.

Trapping

among the Northern Indians 11:
204, 280.

methods of 45: 101-105.

Omaha 3: 301.

Traps

for animals, Eskimo 18: 183 *sqq.*

for bears, foxes and martens 31:
401.

for fish 45: 106, 247

for fish, Eskimo 18: 183 *sqq.*

for fish, Omaha 3: 302.

for game 37: 110.

Indian use of 19: 468.

of the Eskimo 9: 260.

of the Menomini 14: 273.

See also **Trap.**

Traumatic Injuries of Peruvian
crania 16: 65.

"**Travail**," explanation of 4: 217.

Travel

among the Guiana Indians 38:
p. 602-619 (Chs. XXIX, XXX).

among the Indians 42: 735.

and transportation, Winnebago 37:
123.

by water 42: 744 *sq.*

customs of 42: 447-452; 44: 247
discouraged among Acomas 47:
31.

guidance in 46: 526 *sq.*

Siouan method of 15: 172 *sq.*

traces left by 46: 527.

Traveler, the ruler of the world 37:
316.

Traveler's Jokes, Iroquois tale of
2: 107.

Traveling

apparatus for, Eskimo 18: 205-
228.

distance covered in 45: 345, 346.
Eskimo means of 9: 328-360.

gear, Omaha and Ponka 13: 281.
means of 45: 108-112, 248 *sqq.*,
349-355.

Navaho method of 17: 484.
See also **Travel.**

Traverse Bay, reservation at 18:
756.

Traverse des Sioux, treaty of 18:
784.

Travois, dog saddle used by the Plains Indians 14: 527.

Travois Game of the Blackfeet 24: 56.

Travois, use of 27: 275.

Trays

basketry, use of 45: 225.

birch bark 44: 389.

circular 38: § 408-411.

classification of 38: § 402.

coils of 41: 165.

designs on 41: 229.

imbrication of 41: 227.

natural forms of 38: § 453-457.

of the Eskimo 9: 99 *sqq.*; 18: 70, 72.

rectangular 38: § 403-407.

rigidity of 41: 163.

sandstone 44: 84.

tools used by Eskimo in making 18: 85.

used for food 41: 206 *sq.*

Treachery

in warfare 38: § 763.

of Indians in Mixton War 14: 408.

of Indians toward Spaniards 14: 498.

Treason, Wyandot law for 1: 67.

Treasure Boxes, baskets used as 41: 205.

Treaties

at Fort Harmar 1: 251.

between the State of Franklin and the Cherokee 5: 151, 152.

difficulties and defects in, regarding definition of tribal boundaries 7: 43 *sq.*

mention of 4: 86 *sq.*

mnemonically recorded 10: 256 *sq.*

of March 22, 1816 5: 197, 198.

smoking in 20: 44.

with the Assiniboin 46: 398.

with the Indians, abolition of 18: 640 *sq.*, 858.

with the Menomini 14: 20-31.

with the United States, account of 27: 89, 622-625.

with the United States, Pawnee 27: 89.

with the United States, Ponca 27: 41.

See also **Lands; Treaty.**

Treaties and Purchase

of 1721 5: 144.

Treaties and Purchase—Continued

of 1755 5: 145.

of 1768 5: 146.

of 1777 5: 149.

See also **Treaty and Purchase.**

Treaty

between Confederate States and Cherokee 5: 328.

between Iroquois and Cherokee 14: 670.

Caddo, of 1835 14: 1094.

Comanche, of 1835 14: 1044.

effect of, on the Sioux 14: 829.

failure of government to fulfill 14: 710 *sqq.*, 827.

Kiowa Apache, of 1865 17: 251.

Kiowa, of 1837 14: 1081; 17: 251.

Kiowa, of 1853 17: 173.

Kiowa, of 1865 17: 178.

Kiowa, of 1866 17: 184.

made by the Iroquois 43: 456.

of Butte des Morts 14: 27.

of Edwardsville 14: 692.

of Falmouth 43: 174.

of Greenville 14: 671.

of Hopewell, proceedings at 5: 152.

of Medicine Lodge, in 1867 14: 957, 1044; 17: 181, 251.

of the Prairie du Chien 7: 112.

of 1756 5: 145.

of 1760 5: 145.

of 1761 5: 146.

of 1775 5: 148.

of November 28, 1785 5: 133, 158.

of July 2, 1791 5: 158.

of February 17, 1792 5: 169.

of June 26, 1794 5: 171.

of October 2, 1798 5: 174.

of October 24, 1804 5: 183.

of October 25, 1805 5: 189.

of October 27, 1805 5: 190.

of January 7, 1806 5: 193.

of September 11, 1807 5: 194.

of September 14, 1816 5: 209.

of July 8, 1817 5: 212.

of February 27, 1819 5: 219.

of May 6, 1828 5: 229.

of February 14, 1833 5: 249.

of 1835, adjudication of 5: 305.

of 1835, declared void by the Cherokee 5: 294.

Treaty—Continued

- of December 29, 1835 5: 253.
- of March 1, 1836, supplementary 5: 257.
- of August 6, 1846 5: 298.
- of July 19, 1866 5: 334.
- of April 27, 1868 5: 340.
- Sioux, of 1868 14: 824, 839.
- Sioux, of 1876 14: 825.
- Tawákoni, of 1837 17: 251.
- with Plains tribes in 1835–1837 17: 169.
- Yakima, of 1855 14: 737.
- See also* **Treaties**; etc.

Treaty and Purchase

- of 1770 5: 146.
- of 1772 5: 146.
- of 1773 5: 148.
- of 1783 5: 151.
- See also* **Treaties and Purchase**.

Treaty or Ridge Party of Cherokee

- feuds of 5: 301, 302.
- mention of 15: 293.
- payments to 5: 299.
- propose to remove to Mexico 5: 302.

Treaty Pipe illustrated 14: 688.**Trebitsch, R.** 46: 573.**Tree**

- bends and straightens at command 32: 391.
- boy living under roots of 32: 389, 399.
- climbing of 38: § 790.
- felling of, custom relating to 35: 617.
- in Ghost dance symbolism 14: 789.
- indicative of cardinal points 38: § 783.
- magic appearance of 32: 192.
- man created from roots of 32: 168.
- obstructing roadway 38: § 789.
- origin of knots on 32: 448.
- prayer to 35: 617.
- roots grown over man 32: 705.
- Serian and Yuman names for 17: 297*, 338* *sqq.*
- signs for 1: 343, 496, 524.
- sinks into the earth 32: 410.
- standing in breast of man 32: 190.
- string figures of 38: § 670, 683–685.
- use of, in Cohonino ceremony 14: 813.
- use of, in Ghost dance 14: 802, 823, 916, 979, 1075.

Tree—Continued

- used to bring people to life 32: 138.
- See also* **Cedar**; **Cottonwood**; **Pole**;
Tree Burial; **Trees**; and names of
different plants and trees.

Tree Burial

- among the ancient nations 1: 165, 166.
- among the Blackfeet 1: 161.
- among the Kwakiutl 35: 689, 1120.
- among the Menomini 14: 241.
- among the Sioux 1: 161.
- and scaffold burial 1: 158.
- and scaffold burial, Brulé Sioux 1: 158, 160.
- of Mikasuki 42: 396.
- See also* **Burials**; **Scaffold Burials**.

Tree-frog Dance

- description of 42: 531.
- mention of 42: 524.

Tree Game, Winnebago 37: 123.**Tree Men, belief in** 45: 180 *sq.***Tree of Life, spirits associated with** 30: 228, 229, 233.**Tree Rock, myths concerning** 19: 317, 467.**Trees**

- beliefs concerning 11: 390, 482.
- ceremonials relating to 11: 456.
- ceremony over 23: 506.
- Cherokee explanation of characters of 19: 421.
- collection of 23: 506.
- Eskimo account of creation of 18: 456.
- hemlock, observation of, to ascertain direction 32: 451.
- in Alaskan-Arctic district 18: 24.
- in Cherokee myths, power of 19: 231.
- in Piny Branch quarry 15: 44.
- known to the Omaha 27: 106.
- mystic, in Menomini ceremonial 14: 90.
- of Seriland 17: 32–36.
- origin of man from 32: 144 *sq.*, 146.
- pictographs on 4: 59; 10: 213.
- sacred to He'dewachi ceremony 27: 255.
- spirits associated with 30: 171 *sq.*, 228.
- sprinkling of meal upon 23: 507.
- worship of, in the Antilles 34: 208.
- See also* **Cardinal Trees**; **Tree**.

- Tregear, Edward**, cited on mystic water monsters 16: 214.
- Trejo, Hernando**, death of brother of 14: 500.
- Trelease, William**, on *Entyloma cras-tophylum* 19: 1027.
- Trempealeau, Wis.**, petroglyphs at 10: 127, 128.
- Trenton, N. J.**
gravels, study of 14: xxxv.
pottery from near 20: 176 sq.
- Trepanation.** *See* Ancon; Animal; Antiquity; Trephined Skulls; Trephining.
- Trephined Skulls**, collection of 19: xxix.
- Trephining**
in Peru, memoir on 16: Lxxxix, 3-72.
preparation of memoir on 15: xxxii, xli.
- Trial of Strength** 35: 1125.
- Triangle Spring Hook** 38: § 196.
- Triangles**
as an element in design 41: 251 sq.
false, as an element in design 41: 253.
interpretation of 41: 317, 321.
on vertical stripes 41: 244.
- Triangular Baskets**
coils of 41: 165.
term for 41: 397.
- Triangular Figures**
appearance of, in pictures of Hopi katchinas 21: 65 sqq., 79, 99 sqq.
use of, as rain symbols 21: 66.
- Triangular Mouth**, Hopak distinguished by 21: 89.
- Triangular Shelter** 38: § 294.
- Tribal**
features of the Seri 17: 123*, 135*.
historical pictographs 4: 207.
nomenclature, Siouan, discussion of 15: 166.
relations of Seri 17: 67, 77 sq., 83, 87, 95 sq., 101, 102, 103, 104, 108, 127*-134*.
symbolic designation 4: 165.
- Tribal Activities**, definition of 22, i: x.
- Tribal Circles**
Omaha 3: 219, 220, 286.
Osage 27: 58-61.
Ponca 27: 42.
See also Hu'thuga.
- Tribal Council**, Omaha 3: 361.
- Tribal Divisions**
movements of 36: 60.
of the Osage 39: 82; 45: 549.
- Tribal Dual Division**, references to 40: 42, 43, 275, 361, 363, 365, 385, 475, 505, 517, 548.
- Tribal Government**
based on kinship 1: 68, 69.
development of 27: 199-202.
See also Chieftainship.
- Tribal Land**, classification of 7: 40.
- Tribal Names**, classification of 24: xxiv sq.
- Tribal Organization**
Assiniboin 46: 430 sq.
dual form of 39: 66.
Kansa 27: 141.
not affected by division of tribe 36: 45.
Omaha, basic principles of 27: 134, 141, 194-198, 402.
Omaha, disintegrating tendencies of 27: 199 sqq., 402 sq.
Osage 27: 57 sq., 62 sqq., 140 sq.
Ponca 27: 140 sq.
Quapaw 27: 140 sq.
Seri 17: 275 sqq.
symbolic expressions of 36: 50.
See also Tribal Government.
- Tribal Pipes.** *See* Pipes.
- Tribal Signs**
mention of 1: 458.
See also Sign, Tribal.
- Tribal Society**
a study of Wyandot 1: 59-69.
grouping of people in 20: xci.
- Tribe**
assembly of 35: 1363 sq., 1377.
barbarous, government of 20: civ-cxi.
barbarous, definition of the term 20: xcii.
division of 45: 150, 261, 374.
feature of 19: xl ix, l.
gentile, religion of 20: cix.
organization of 17: xxxii.
political authority of 47: 478.
regulations of 45: 155.
rights of, in case of murder 42: 343.
savage, government of 20: xci-civ.
See also Peoples; Tribal —; Tribes.

Tribe of the Fork, study of history of 30: 19, 20.

Tribes

and peoples, Tewa name for 29: 573 *et seq.*

classification of 22, i: x.

cyclopedia of native, work on 22, i: xxxvii.

divisions of 46: 404.

known to Tewa 29: 38, 573.

list of, described by Denig 46: 378.

migrations of 46: 405 *sq.*

Pueblo, prehistoric migrations of, study of 22, i: xviii *sq.*

rank of 35: 758.

separation of 46: 405.

Tlingit, distinction between northern and southern 26: 398.

Tlingit, history of 26: 407-414.

Tlingit, list of 26: 396.

Tlingit, towns of 26: 397.

See also Tálwa; Towns; Tribe.

Tribute

among the Kwakiutl 35: 1031, 1039.

to chief 35: 1333-1344.

Tricks with string 38: p. 500-550 (Ch. XXIV).

Trickster

offerings to 37: 441.

stories of 37: 424 *sq.*

world ruled by 37: 316.

Trifid Symbol, appearance of, in representations of Hopi kateinas 21: 71.

Triggs, W. A., mound on farm of, Arkansas 12: 247.

Trike

meaning of number words in 19: 879.

method of forming numbers 19: 872, 908, 930.

Trill, C. F., drawings made by 2: 251.

Trillium Grandiflorum

medicinal constituents of 44: 305.

medicinal properties of 44: 303.

use of 44: 294, 362.

Trillium Ovatum 45: 472.

Trinchera

comparison of, with "fort" 28: 187, 218.

construction of, rare in Pueblo region 28: 220.

Trinchera—Continued

definition of 17: 550.

found in Sonora 16: LXIV, LXVIII.

in Red Rock country 17: 549, 550.

visit to 17: XL.

Trinidad

archeological reconnaissance of 25: xv.

archeological work in 34: 9.

culture area of 34: 62-78.

description of 34: 63.

named by Columbus 34: 63.

native houses of 25: 46 *sq.*

natives of 34: 63 *sqq.*

number of specimens from 34: 49.

objects from, compared with others 34: 75 *sqq.*

pottery of 34: 60, 67-74.

prehistoric culture of 25: 190.

visit of Dr. J. W. Fewkes to 25: 17.

Trinity River Indians. *See* Hoopah; Hupa.

Trio Indians

beliefs of the 30: 363.

food of the 30: 296, 297.

legend of, on creation 30: 145.

names of the 30: 304.

ordeals among the 30: 278.

talismans used by the 30: 288.

Triosteum Perfoliatum

fruit of, used as a charm 42: 502.

medicinal use of 42: 667.

Triplets

Seri ideas concerning 17: 281*.

supernatural power of 42: 615.

Tripod Bottles 4: 420, 421.

Tripod Group of Chiriquian pottery 6: 97-107.

Tripod Vessels

Gulf Coast region, absence of 20: 115.

Middle Mississippi Valley 20: 93.

Tritelium Grandiflora 45: 481, 482, 508, 511.

Triticum Sativum Lam. *See* Wheat.

Triumph, Songs of 39: 229, 232, 301.

Troano Codex or Manuscript

bird symbol in the 16: 251.

burden bearers symbolized in 16: 247.

caban symbol in 16: 254.

cauac day symbol in 16: 259.

Troano Codex or Manuscript—Con.

- chicchan* symbol in 16: 229.
- chuen* symbol in 16: 241.
- cimi* symbol in 16: 231.
- cited 19: 809, 810.
- copy of, by Brasseur 6: 285, 286, 343.
- corn god in 16: 227.
- discussion of glyphs in 16: 216, 224, 225, 234, 256, 260, 261, 262.
- dominical days of 19: 705.
- eb* symbol in 16: 243.
- edznab* symbol in 16: 258.
- ix* symbol in 16: 248.
- mat symbol in 16: 246.
- oc* symbol in 16: 239.
- on *cauac* day symbol from 19: 671.
- pak* symbol in 16: 247.
- references to 1: 234; 3: 7, 16, 17, 18, 19, 20, 23, 37, 39, 57, 63; 22, i: 252, 253.
- snake symbol in 16: 247.
- stilt-walking figure in 24: 731.
- symbolic figures in 16: 219.

Trocadero Museum, Paris

- specimen in 34: 213.
- stone collar in 34: 195.

Troja, cited 4: 63, 252.**Troncoso, Francisco, on Seri population and navigation 17: 82, 135*.****Troncoso, Paso y. See Paso.****Troops.**

- appearance of, among the Sioux 14: 847, 850.
- conduct of, at Wounded Knee 14: 876.
- effect of, on Ghost dance 14: 853.
- effect on Sioux of appearance of 14: 852.
- formed of Indians 14: 891.
- killed at Wounded Knee 14: 871.
- necessity for, in Sioux outbreak 14: 832.
- number of, in Sioux outbreak 14: 850, 866.

Troost, Dr. Gerard, shell objects collected by 2: 224.**Trope, development of 19: xc sq.****Trophies**

- among Northern Indians 11: 274.
- of war 38: § 764.
- use of, in ceremonial 11: 121.

Tropical Animals known to mound-builders 2: 142.**Trott, Nicholas, cited on South Carolina's Indian policy 18: 633.****Trotter, H. G., acknowledgment to 19: 13.****Troughs**

- drinking, Guiana Indian 38: § 377, 384, 848.
- of the Menomini 14: 257.

Troup, Governor —

- on Cherokee refusal to remove 19: 115.
- on relations of Cherokee to Georgia 5: 237.

Troupial, taming of 38: § 724.**Trousers worn by the Eskimo 18: 30-36.****Trout**

- Eskimo implements for catching 18: 179.
- See also Fish.*

Trout (Lake), chemical composition of 19: 1082.**Trowbridge, —, Menomini and Winnebago treaty by 14: 25.****Trowels**

- clay, Eastern United States 20: 25, 35 sq.
- clay, Middle Mississippi Valley 20: 83, 99 sq.
- made of pottery 41: 547.

Troyville, La., character of ware found in mound at 20: 103.**Truckee River, Nev., petroglyphs on 10: 93.****Trudeau, C. L., quoted on Spanish policy toward Indians 18: 544 sq.****True, Dr. R. H., acknowledgment to 30: 38.****"True" Witch Story, Iroquois account of 2: 71.****Trujillo, José, probably killed at Shuñopovi 17: 600.****Truli, *Manicaria saccifera***

- a source of water supply 38: § 254.
- fruit of, eaten 38: § 247.
- leaves of, used for thatch 38: § 319.
- use of, for fire-stick 38: § 1.
- use of spathe of, for hat 38: § 518.

Trumbull, Benjamin, quoted on Connecticut's Indian policy 18: 612-616.

Trumbull, Dr. J. Hammond

aid of 5: xxxv.

cited 4: 97.

information by, regarding Illinois dictionary 24: 230.

Natick dictionary by 21: xxv, xxvi; 22, i: xxxi; 23: xxxvii.

Natick dictionary of, cited 28: 275.

Natick forms of 28: 272.

on composition of Indian words 1: 351.

on name Tallige'wi 19: 184.

on the derivation of Caddo 7: 59.

on the derivation of "Sioux" 7: 111; 15: 157.

preparation of Natick dictionary by 20: xxi.

Trumpet

of the Guiana Indians 38: § 556-559, 851.

use of, in Hopi festivals 21: 54.

used in ceremonies 30: 137.

Trumpet-form Pipes

Eastern United States pottery 20: 45.

See also Pipes.**Trumpeter Bird**

plumage of, origin of 30: 212.

warnings by 30: 275 sq.

Trumpetwood. *See* Cecropia.**Trunk Baskets**, mention of 41: 205 sq.**Trunks** worn in dances by the Eskimo 18: 420 sq.**Truro**, purchase of land by 18: 606.**Trussel, Mrs. Ramona**, information furnished by 44: 62.**Trust and Credit** 38: § 820.**Truxillo**, adventure of, with the Devil 14: 481.**Trysil.** *See* Pentaclethra.**Tsabakosh**, Caddo name of the Sioux 14: 1057.**Tsä'dal-t'aiñ.** *See* Swan.**Tsäga'si**, Cherokee fairy 19: 334.**Tsague'di**, *Tlingit* clan

affinity of 26: 410.

crests of 26: 416, 457.

phratry and tribe of 26: 399.

Tsa'lägi'

meaning and inflection of 19: 15 sq., 182 sq.

See also Synonymy.**Tsäli.** *See* Charley; Whitacre, C. W.**Tsamak Tribe**, mention of 7: 99.**Tsaní**, Cherokee war chief in 1776. 19: 381.**Tsantawû**, contact with Little People by 19: 334.**Tsa'ntik!i-hin**, *Tlingit* town 26: 397.**Tsä'nyui**, a Kiowa military order 14: 989; 17: 230.**Tsa'rägi'.** *See* Synonymy; **Tsa'lägi'.****Tsararak**, Wapishana harpoon arrow 38: § 143.**Tsästa'wí**, legend concerning 19: 408.**Tsat!önyē'di**, *Tlingit* clan

history of 26: 412.

phratry and tribe of 26: 399.

Tsauda and Halus, tale of 31: 297-306, 855.**Tsäwa'si**, Cherokee fairy 19: 334.**Tsáyädítl-ti.** *See* White-Man.**Tschaddam Religion**, account of the 14: 751.**Tschantoga**, an Assiniboin division 15: 161.**Tschudi, Dr. J. J. von.**

on pictographs 4: 45.

on the quipu of the Peruvians 4: 79 sq.

Tschukschi

method of forming numbers over ten 19: 913.

See also Chukchi.**Tse-do'-ga In-dse Gens**

ceremonial place of 36: 121.

mention of 39: 62.

office of 39: 93.

personal names of 43: 152 sq.

silent during ceremony 36: 121.

symbol of 39: 50.

Tsedu'ga Gens, Kansa 27: 67.**Tségi (Tsegi or Tse-gi) Canyon**

and Tusayan pottery, comparison of 17: 623.

formerly occupied by Hopi clans 17: 658.

Navaho name of Canyon de Chelly 16: 79, 85.

See also Canyon de Chelly.**Tse-i-ya-kin**, Navaho name of the Mummy Cave ruins 16: 112.**Tséñ-â'dalka-i**, a Kiowa military order 17: 230.**Tseñ-kónkyä.** *See* Black Horse.

Tseñ-t'áiñte

hostile declaration of 17: 190.

portrait of 17: 191.

*See also White Horse.***Tseñtä'nmo**, a Kiowa military order

14: 989; 17: 230.

Tse-on-i-tso-si Canyon

location of 16: 85.

ruin in 16: 101.

Tsësa'ni

Cherokee story teller 19: 237.

myth told by 19: 463.

Tsé'si-Ska'tsi. *See Reid, Jesse.***Tse Thon'-ka Gens**

only survivor of 43: 153.

wi'-gi-e of 36: 132 sq.

Tsetsaut

games of the 24:

cat's cradle 767.

shinny 624.

Tse-zhin'-ga-wa-da-in-ga, an infor-mant 36: 153, 155, 274; 39:
83, 213.**Tshayro-tshoan Kaw**, Menomini

treaty signer 14: 28.

Tshekatshakemau, genealogy of

14: 45, 52.

Tshinkitani or Koluschan tribe 7:

86.

Tshisaqka. *See Jugglers.***Tsi'a**, specially designed for burdens

41: 199.

Tsi-go. *See Grandfather.***Tsilkotin**

hand game of the 24: 273.

*See also Chilkotin.***Tsillane**, an Okanagon division 14:

734.

Tsimshian Indians

aboriginal neighbors of the Tlingit

26: 414.

brief description of the 31: 43 sqq.

deities of the 26: 451, 454.

exogamy and totemism among the
31: 475.

four groups among the 31: 480.

games, mention of 26: 443.

games of the 24:

hand games 273.

stick games 240, 246.

tops 736.

habitat of the 31: 43.

linguistic studies among the 24:
xxii.**Tsimshian Indians—Continued**list of proper and place names of
31: 959-966.

mythology 36: 30.

mythology, paper on, by Dr. F. Boas

34: 26; 36: 20; 37: 27.

myths 31: 58-392.

name 31: 43.

name for Southern Tlingit 31: 44.

names of tribes 31: 482.

organization 31: 482-485.

proximity to Haida 26: 476.

published texts of 23: xxxvi, xliii.

relationship terms 31: 489.

relationship terms, compared with

Tlingit and Haida 31: 490 sq.

relationship terms, contrast between

Kwakiutl and 31: 493 sq.

secret societies and ceremonies of

10: 512.

secret society dance of 26: 436.

tattooing of the 10: 217.

tradition of the 10: 217.

*See also Tsimshian Language.***Tsimshian Coast**, source of Tlingit

26: 407, 411, 414.

Tsimshian Language

grammatical notes on 26: xxii.

three principal dialects in 31: 482.

vocabulary of, preparation of 20:
xxi.**Tsi'nahe**, acknowledgment to 30: 38.**Tsinūk**

burial sacrifice of the 1: 179.

*See also Chinook.***Tsipiakwe**, home of 28: 220.**Tsi'uthuga**, Osage tribal circle 27:

58-61.

Tsi'-zhua great division of the Osage 39:
83, 84, 205; 45: 549.

gens, Kansa 27: 67.

gentes belonging to 39: 84.

kinship group, Osage 27: 58, 60,
61, 62, 63, 64 sq.one of the two tribal divisions 36:
51.

origin of people of the 36: 59.

songs belonging to 39: 77.

Tsi'-zhu Great Division

ceremonial position of 36: 83.

gentes of 36: 84.

origin myth of 36: 238.

- Tsi'-zhu Seven Fireplaces**, places of, in ceremony 39: 84.
- Tsi'-zhu Wa-noⁿ Gens**
 a gens of the Tsi'-zhu division 39: 43.
 a war gens 39: 243.
 mention of 39: 177.
 offices of 39: 92.
 personal names of 43: 144 *sqq.*
 symbol of 39: 50.
 symbolic hair cut of 43: 92.
 war symbol of 36: 119.
 wi'-gi-e of 36: 118-121.
- Tsi'-zhu Wa-shta'-ge Gens**
 animals used by, as symbols 39: 244.
 as peacemaker 39: 260.
 Ki'-noⁿ wi'-gi-e of 36: 285 *sq.*
 Ni-ki wi'-gi-e of 36: 274.
 office of 39: 260, 264.
 personal names of 43: 146-152.
 songs belonging to 39: 290.
 songs closing ritual of 39: 326.
 subgentes of 43: 91.
See also **Peace Gentes of the Tsi'-zhu; Red Eagle Gens.**
- Tsi'-zhu We-ha-ge Gens**, wi'-gi-e of 36: 130 *sqq.*
- Tskil-e'gwa.** *See* **Big Witch.**
- Tsódal-heñte**, Kiowa name of William Allison 17: 283.
- Tso-di-a'-ko's Report** in signs 1: 524.
- Tsó-k'odalte.** *See* **Stone Necklace.**
- Tsóñbohón**, a Kiowa chief 17: 164, 263.
- Tsonnontouan**, mention of 43: 455.
- Tsubirawá**, "baboon throat" leaf baskets 38: § 453-457.
- Tsuga Canadensis**
 beverage made from 44: 317.
 medicinal constituents of 44: 305.
 medicinal properties of 44: 303.
 use of 44: 294, 307, 356, 369.
- Tsuga Mertensiana** 45: 500.
- Tsul'kálû'**, myths concerning 19: 262, 337 *sqq.*, 407, 410, 432, 477-480.
- Tsundige'wi**, myth of 19: 325, 471 *sq.*
- Tsunu'luhûñ'ski.** *See* **Januluska.**
- Tsuskwânûñ'năwa'ta.** *See* **Waf-ford.**
- Tsuwe'năhi**, myth of 19: 343 *sqq.*, 480 *sq.*
- Tuálati Indians**
 rock etchings of the 4: 25, 26.
 tradition of the 10: 105.
- Tuaña**, or demons of the Eskimo 9: 431-434.
- Tũ-atá**, native name of Taos 14: 575.
- Tub Baskets** 38: § 438.
- Tub-shaped Baskets** 41: 207.
- Tubac**
 references to 28: 57.
 seat of first garrison in Arizona 26: 28.
- Tubari Language**
 analysis of Lumbholtz's vocabulary of 17: LIV.
 study of 16: XXI, XLI, XLV, XLIX, LVIII, LXXIV.
 work on 15: LXXXV.
- Tubeboli Manas**, pictures of, in Hopi festivals 21: 42.
- Tuberculosis**
 among the Pima 26: 156.
 among the Western Eskimo 46: 362.
 at Laguna 47: 54.
 remedy used for 42: 659.
See also **Consumption.**
- Tubers**, use of, as food 45: 452.
- Tubes**
 bone, from Awatobi 17: 627.
 bone, from Pueblo ruins, description of 22, i: 94 *sq.*
 bone, used in treatment of disease 14: 149.
 described and figured 13: 126.
 for taking snuff, Eskimo 18: 275.
- Tubi**, Oraibi chief, quoted 4: 29, 46, 194.
- Tubic Clan**, mention of 19: 583.
- Tubs**
 of the Eskimo 9: 86 *sqq.*; 18: 72.
 tools used by Eskimo in making 18: 85.
- Tubuscabor**, Pima village 26: 20.
- Tubutama Mission**, reference to 28: 56.
- Tuçan.** *See* **Tucano.**
- Tucano**
 name applied to Tusayan 17: 595.
 probably same as Tetontecac 19: 599.
See also **Tusayan.**

Tucano Indians

- burial customs of the 30: 158.
- names of the 30: 306.

Tuckabatches' Town

- brass plates preserved in 42: 504.
- See also* Tukabahchee.

Tuckaleechee and Southeastern Trail 42: 750, 772.**Tuckasegee**

- destruction of, in 1781 19: 59.
- origin of the name 42: 773.

Tucayan, name applied to Tusayan 17: 595.**Tucker, F.**, mention of 46: 31.**Tucker, Miss Mae W.**

- appointment of 42: 19.
- work of 43: 6, 19; 44: 4, 18; 45: 2, 4 sq., 19; 46: 16; 47: 14; 48: 19, 21.

Tucker's, Lower Yukon 46: 68.**Tucson, Ariz.**

- growth of 26: 28 sq.
- lawlessness in 26: 58.
- mortar cavities in 26: 99.
- occupation of, by Confederate forces 26: 48.
- references to 28: 34, 54, 65.

Tucum, *Astrocaryum* sp.

- bow string 38: § 127.
- hammock 38: § 461.

Tufa, Volcanic, objects made from 34: 115-118.**Tug of War** played by the Eskimo 18: 338.**Tug River**

- route down north fork of 42: 770.
- trail from, to Guyandot 42: 771.

Tugālū'nā Fish, myth concerning 19: 289, 455.**Tuggle, W. O.**, on Creek and Seminole ball game myths 24: 606.**Tuggle Collection**

- myths from 42: 111 sq., 508 sq.
- of Creek myths 19: 431, 432, 434 sqq., 447-450, 452, 455, 463, 469, 473, 476.
- of Creek songs 19: 504.

Tuhucmach land cessions and reservations 18: 782.**Tuilla Valley**, treaty of 18: 830.**Tukabachi**

- visit of Tecumtha to 14: 687.
- See also* Tukabahchee.

Tukabahchee

- allocation of clans in beds at 42: 201-204.
- arrangement of square ground of 42: 217 sq., 244, 245, 246.
- assistant chiefs of, of one clan 42: 285.
- belief of, concerning busk 42: 546.
- busk ceremonial of 42: 605 sq.
- ceremonial title of 42: 307.
- clan councils of 42: 124.
- clans of, furnishing chiefs and henihas 42: 192, 194.
- clans, phratries and moieties of 42: 159 sq.
- enclosure at, for sacred vessels 42: 186.
- esoteric title of 42: 250.
- first busk fire built in 42: 547.
- friendship of, with Coweta 42: 65-69.
- Green Corn dance of 42: 506.
- head war town of Upper Creeks 42: 307.
- hothouse of, description of 42: 179 sq.
- marriage customs of 42: 373 sq.
- mention of square of 42: 504.
- names applied to 42: 64.
- one of four leading towns 42: 548.
- organization of 42: 283 sq.
- origin myths of 42: 64, 65 sq.
- place of general assembly 42: 311.
- place of rotunda at 42: 181.
- plan of ceremonial ground of 42: 218 sq., 247, 248.
- position of beds at 42: 198.
- position of, in Confederacy 42: 327, 328.
- square of, description of 42: 185.
- stomp dances of 42: 557 sq.
- story concerning sacred plates of 42: 307.
- story regarding 42: 69.
- town emblem of 42: 243.
- union of, with Coweta 42: 68.
- Upper Creek Red town 42: 124, 255.
- use of black drink at 42: 541.
- See also* Tuckabatches' Town; Tukabachi; Tuket-Batchet.

Tukabahchee Miko

- belief of, concerning the earth 42: 477.

Tukabahchee Miko—Continued
 information from 42: 479, 480.
 knowledge possessed by 42: 66.
 medicine maker of Upper Creeks
 42: 477.

Tukabahchee Plates, origin of 42:
 66.

Tukala Dance obtained from the
 Dakotas 3: 354.

Tuket-Batchet
 Creek assemblies held at 42: 46.
 received by the Creeks 42: 46.
See also Tukabahchee.

Tukinobi, ruin of, description of
 17: 589.

Tukkabachee Mikko, brass plates
 exhibited by 42: 506.

Tukpafka
 a White town 42: 254.
 allocation of clans in beds at 42:
 201-204.
 arrangement of square ground of
 42: 213 sq., 230.
 clans of, furnishing chiefs and heni-
 has 42: 192.
 clans, phratrries and moieties of
 42: 158 sq.
 plan of ceremonial ground of 42:
 214, 231.
 position of beds at 42: 198.

Tûkspû'sh, sketch of the 14: 743.

Tûkspûsh-lêma, a Tûkspû'sh syno-
 nym 14: 743.

Tukuarika
 habitat of 7: 109.
 population of 7: 110.

Tukui, Makusi name for humming
 bird 38: § 587.

Tukupi Sauce 38: § 248.

Tukutchi, fish arrow 38: § 132, 139.

Tukuyuha, description of 30: 171,
 366.

Tula, custom of 42: 702.

Tulalip Reserve, executive order af-
 fecting 18: 868.

Tulare Indian
 dice game of the 24: 145.
 mention of the 4: 234.

Tularosa, Rio, ruined pueblos on
 22, i: 180.

Tularosa River Reserve
 discontinuance of 18: 878.
 establishment of 18: 854.

Tule
 or flag, roots used as food 9: 520
 sq.
 pollen used in Navaho ceremony
 14: 705.
 use of 45: 497.
 use of, in basketry 41: 145, 148.

Tule Indian
 brought to Washington 42: 10.
 illustration of ornamentation by 6:
 219.
 land cessions and reservations 18:
 814, 860, 864 sqq., 892.
 language of 42: 10.
 manuscript on music of 42: 15.
 study of music of 42: 15 sq.

Tule River Agency, Calif.
 petroglyphs at 10: 52-56.
 weaving grass figure at 4: 78.
 Yokuts at 4: 52, 78.

Tule River Province 4: 31, 33, 37,
 234.

Tule River Reserve
 act authorizing 18: 831.
 changes in 18: 864 sqq., 892.
 establishment of 18: 814, 860.
 removal of Indians to 18: 789.

Tullahoma, Tenn., meaning of the
 name 42: 850.

Tullentuskee, Chief, land sold by 42:
 841.

Tullock-chish-ko, Cherokee ball
 player 24: 600.

Tulsa
 busk name of 42: 614.
 clans of, furnishing chiefs and henihas
 42: 194.
 length of busk of 42: 590.
 mention of 42: 39, 53.
 migration legend of 42: 52 sq.
 mythical origin of name 42: 70, 72
 sq.

Tulsa Canadian
 a White town 42: 254.
 arrangement of square ground of
 42: 209, 215.
 clans of, furnishing chiefs and henihas
 42: 192.
 position of beds at 42: 198.

Tulsa Little River
 allocation of clans in beds at 42:
 201-204.
 arrangement of square ground of
 42: 208 sq.

Tulsa Little River—Continued

- clan councils of 42: 123.
- clans of, furnishing chiefs and henihās 42: 192.
- clans, phratrīes and moieties of 42: 158 sq.
- plan of ceremonial ground of 42: 214.
- position of beds at 42: 198.
- Upper Creek White town 42: 123, 254.

Tulukhtulig, mention of 46: 200.

Tumacacori, ruins near 36: 11.

Tumae, description of 21: 104.

Tu'maka, account of revolt of 1680 given by 23: 287 sqq.

Tumas

- description of 21: 68, 69.
- flogging by 21: 36.
- member of Tuñwup group 21: 70.
- participation in Powamû festival by 21: 67.
- personation of, in Powamû dance 21: 33.

Tumbleweed eaten by the Zuñi 30: 59.

Tumlin, G. H., mound group on land of, Georgia 12: 292.

Tump Lines, use of 45: 108, 249.

Tumulus. *See* **Saint George**.

Tumwater

- land cessions and reservations 18: 800, 818.
- Smohalla performance at 14: 725.

Tuna

- harvest of the Seri 17: 206* sqq.
- native American fruit 14: 515.
- preserve made of 14: 487.

Tunâ'î Legend, mention of 19: 373.

Tunā'xe

- an extinct Flathead tribe 45: 295.
- bands of 45: 310 sq.
- baskets sold by 41: 135.
- characteristics of 45: 325.
- dialect of 45: 303.
- habitat of 45: 306.
- meaning of the name 45: 297.
- overwhelmed by Blackfoot 45: 317.

Tundra

- assimilation of skeletal remains by 46: 77, 79, 111, 118, 136, 184, 185.
- character of 46: 75, 112.

Tunes

- of the Eskimo 9: 388 sq.

See also **Music; Song; Songs**.

Tunghät

- Eskimo beliefs concerning 18: 394, 395, 427-430, 434, 441, 443.
- Eskimo mask representing 18: 400, 401, 403, 404, 407, 412, 413.
- Eskimo rites relating to 18: 384, 385.

Tunica Indians

- customs of the 42: 710.
- head flattening of the 42: 686.
- linguistic material of the 30: 19.
- linguistic work among the 8: xxi.
- reference to pottery of 42: 690.
- researches among the 28: 12; 30: 18.
- wigwams of, description of 41: 552.

Tunica Language

- dictionary of the 27: 9; 29: 13.
- grammatical sketch of the 39: 13.

See also **Tunica Indians**.

Tunican Culture Area, features of 42: 716 sq.

Tunican Group

- linguistic relations of 42: 678.
- tattooing practiced by the 42: 686.

Tunicha Mountain

- description of 17: 477.
- reference to 16: 84, 85.

Tunika. *See* **Tunica**.

Tunkan, belief in the 11: 447.

Tunkhannock, Pa., vessel from near 20: 166.

Tunneling, aboriginal 44: 536.

Tununirmiut Eskimo Tribe, situation of 6: 442 sqq.

Tununirusirmiut Eskimo Tribe, situation of 6: 442 sqq.

Tununuk

- description of 18: 251.
- implement from 18: 156.
- memorial images at 18: 317 sq.

Tuñwup

- derivation of 21: 125.
- description of 21: 69.
- function of, in Powamû festival 21: 67, 68, 69.
- personation of, in Powamû dance 21: 33.
- regular appearance of 21: 17.

Tuñwup Group, personages of 21: 70.

- Tuñwup Katcinas**, flogging by 21: 36.
- Tuñwup Taadta**, derivation of 21: 125.
- Tuñwup Taamu**
description of 21: 70.
member of Tuñwup group 21: 70.
participation in Powamû festival by 21: 67.
- Tunxis Tribe**
absorbed by the Mohegan 43: 207.
account of the 43: 209.
sale of land by 18: 616.
- Tuopá**, Picurís name for Taos 14: 575.
- Tupac Amaru**, a Peruvian hero god 14: 660.
- Tupĕk**. *See Tents, of the Eskimo.*
- Tupelo**, Chickasaw Old Fields near 44: 177.
- Tuphanikwa**, description of 18: 252.
- Tuphulga Village**, reservation at 18: 706.
- Tupi Indians**, belief in God among the 30: 118 sq.
- Tupi Language**, trade language based on 19: 187.
- Tupinagugim**. *See Topinagugim.*
- Túpkabi**. *See Canyon de Chelly.*
- Tupper, Major** —, pursuit of Sioux by 14: 861.
- Tupubi**, definition of 8: 176.
- Turalla**, Carib charm or talisman 38: § 822.
- Turbans**, use of 42: 525.
- Turczaninow**, —, on scientific synonym for wild rice 19: 1021.
- Turé**, reed instrument 38: § 573.
- Turf**
Eskimo buildings of 18: 244, 251.
monuments in England 10: 172 sq., 212.
- Turk**
communications of, with the Devil 14: 503.
Coronado's version of stories of 14: 580.
execution of 14: 509, 589, 590.
motive of, in misleading Coronado 14: 588.
name of Indian slave who described Quivira 14: 394.
- Turk**—Continued
reports of stories told by 14: 576.
stories of 14: 491.
stories of, told by Castañeda 14: 592.
- Turkey**
as a cause of death 40: 199.
boy converted into 32: 280.
domestication of 42: 694.
feathers, appearance of, in pictures of Hopi kateenas 21: 71, 89, 100, 102, 103, 105, 107.
feathers on Cheyenne arrows 14: 1024.
feathers, use of 47: 660, 667.
feathers, use of, in Hopi festivals 21: 46.
how fed by the Zuñi 30: 59.
in Pueblo region 14: 491, 521.
kept for feathers 47: 274.
mention of 21: 80.
myths and lore concerning 11: 36; 19: 269 sq., 285, 287 sq., 449, 455.
oil of, potency in healing 32: 159.
plumes, use of, for garments 14: 517.
representation of, Florida mortuary pottery 20: 124.
skin of, robes made from 32: 278.
symbol in the codices 16: 240, 261.
use of, by Pueblo Indians 22, i: 27 sq.
See also Duhos; Koyona.
- Turkey Buzzard**, carving of the 2: 145.
- Turkey Clan**
associations of 42: 145.
native names for 42: 115.
size of 47: 35.
story concerning 42: 108.
- Turkey Creek**, explanation as to name of 28: 207.
- Turkey Creek Prairie**, treaty of 18: 756.
- Turkey Dance**, performance of 42: 577, 603, 610.
- Turkey Feathers**. *See Turkey.*
- Turkey Neck Apache-Pima fight** at 26: 45.
- Turkey, Scrub**. *See Maam.*
- Turkey Tank Caves, Ariz.**, description of 22, i: 38 sq.
- Turkey Town**
siege and relief of 19: 90.

Turkey Town—Continued

treaty ratified at, in 1816 19: 98.
treaty of 18: 682.

Türkinobi, mention of 21: 51.

Turkish Love-letter, mention of 10: 368.

Turks Island, Fla., European ware from near 20: 130.

Turkwînû

derivation of 21: 95, 105, 124.
description of 21: 105.
mask of, kept by Walpi Pakab clan 21: 95.

Turkwînû Mana

derivation of 21: 124.
description of 21: 105.

Turned Design, use of, in decoration, Middle Mississippi Valley pottery 20: 100.

Turner. *See* Whipple, Ewbank, and Turner.

Turner

discovery of branches of Athapaskan family in Oregon by 7: 52.
Eskimo researches of 7: 73.
linguistic literature of 7: 18.
on the Keresan language 7: 83.
on the Kiowan family 7: 84.
on the Piman family 7: 98.
Yuman researches of 7: 137.
Zuñian researches of 7: 138.

Turner, Doctor —, cited 30: 48.

Turner, Prof. Frederic J., acknowledgment to 19: 1019.

Turner, Rev. George, quoted on tattooing 4: 77.

Turner, H. C., visit of, to Zuñi 5: 542.

Turner, Prof. Lucien M.

acknowledgment to 9: 20.
cited 6: 420, 462, 520, 565, 567, 608 note.
cited on Eskimo kaiaks 9: 332.
cited on Eskimo ornaments 9: 390.
cited on Eskimo records 9: 177.
cited on Eskimo seal darts 9: 214.
cited on Eskimo seal nets 9: 252.
cited on Eskimo umiaks 9: 343.
contributor to Bureau 48: 1189.
ethnologic specimens collected by 18: 56, 65, 101, 102, 116, 144, 145, 152, 158, 161, 199, 204, 223.
Eskimo lamps described by 9: 108.
head preserved as a mask figured by 3: 94.

Turner, Prof. Lucien M.—Contd.

material collected by 24: 540, 544, 548, 700, 737.

memoir by, on ethnology of the Ungava district 11: 167.

mention of 46: 373.

obituary of 48: 1221.

on ball juggling, Nascapee 24: 712.

on football, Eskimo 24: 700 sq.

on football, Labrador Eskimo 24: 700.

on hand game, Labrador Eskimo 24: 283.

on ring and pin, Nascapee 24: 540.

on ring and pin, Labrador Eskimo 24: 548.

review of report on Ungava district of 11: xli.

shaman mask collected in Alaska by 3: 133.

work of 8: xxviii; 10: xxiv.

Turner, Dr. L. S., on scaffold burial, Dakota 1: 163.

Turner, Nathaniel, purchase of land by 18: 616.

Turner, W., mention of 46: 313.

Turner Island. *See* Isla Turner.

Turner Mounds, Ohio, figurines found in 20: 183.

Turner's Narrative, review of 1: 165.

Turning-around, ceremonial of 35: 630, 708.

Turning Bear, flight of, to Bad Lands 14: 884.

Turning Hawk

delegate to Washington 14: 891.

on Wounded Knee massacre 14: 884, 885, 886.

Turning the Child

among the Omaha 27: 117-122, 199 sq., 401.

among the Ponca 27: 44 sq.

Turnoa, Flute chief at Walpi 19: 1001-1004.

Turnpike following Indian trails 42: 744.

Turpockwa

appearance of, in Soyaluñá 21: 25.
description of 21: 79.

similarity of symbolism of, to that of Palakwayo 21: 77.

Turquoise

among Indians of the Lower Mississippi 13: 25.

Turquoise—Continued

- brought from the north by Sonora Indians 14: 357.
- collection of, by Estevan 14: 474.
- deposit of 29: 492 *sq.*
- found at Honanki 17: 573.
- gift to gods of war 47: 669.
- in Pima legend 28: 46 *sq.*
- in Pima mythology 26: 222, 248.
- in shell work 28: 144.
- mine 2: 433.
- mine, collection from 2: 450.
- mosaic work in 28: 131.
- mosaics of the Hopi 17: 662.
- necklaces in Tusayan costumery 16: 282.
- objects from Elden Pueblo 43: 3.
- objects in Sikyatki graves 17: 641, 733.
- of Pueblo Indians 14: 489, 518, 549, 561, 573.
- presents of, made to the Devil 14: 513.
- Pueblo armlets inlaid with 22, i: 90.
- Pueblo ornaments of, description of 22, i: 86.
- Tewa name for 29: 580.
- use of, as ear pendants, in Hopi pictures 21: 113, 119.
- use of, as ear pendants, in pictures of Woe 21: 67.
- use of, as ornaments, by Teosbuci 21: 85.
- use of, in medicine 30: 50.
- value of 47: 871.

Turritella Shells, Pueblo articles made of 22, i: 91.**Turtle**

- a man-being in Iroquoian cosmology 21: 174, 180, 181, 286, 288, 301.
- amulet from 30: 213.
- and tiger, story of 38: § 599.
- basketry design 38: § 445.
- carapaces from Pueblo ruins at Cheylon, description of 22, i: 95.
- carapaces, disk of 22, i: 96.
- carries woman on back 32: 411.
- connection of, with rites 27: 506.
- cooking and preserving of 38: § 163.
- disease caused by 26: 264.
- drum of shell of 19: 503.
- effigies of 34: 68, 70, 72 *sq.*

Turtle—Continued

- figure made of bowlders 12: 39, 40.
- heads made of clay 34: 121.
- in Arapaho mythology 14: 959.
- in Menomini myth 14: 91, 189, 218.
- in Pima song 26: 306, 307.
- in primitive mythology 14: 976.
- kept alive 38: § 725.
- legends concerning 25: 197; 30: 212 *sq.*, 223 *sq.*, 226 *sq.*, 272.
- markings on, origin of 30: 224.
- method of hunting 38: § 203, 215.
- Middle Mississippi Valley pottery 20: 94.
- mystic power of the 14: 148.
- myths and lore concerning 19: 306, 343, 346, 430, 452, 475, 481, 482; 43: 187 *sq.*
- representation of, Eastern United States pottery 20: 41.
- representation of, Florida Peninsula pottery 20: 124.
- representation of, Gulf Coast pottery 20: 107.
- sacred, of the Arapaho 17: 242.
- Seri method of catching and eating 17: 186*–190*.
- Seri traps of shell of 17: 185* *sq.*
- Seri use of shell of, as jacal covering 17: 222*.
- shell, a friction musical instrument 38: § 582.
- size of, a weather prognostication 38: § 938.
- stone, in Montané's collection 34: 249.
- stone specimens of 25: 196 *sq.*
- use of, as food 30: 297 *sq.*
- wooden, from Battowia 34: 89.
- wooden, from St. Vincent 34: 249.
- wooden specimens of 25: 196.
- See also Terrapin; Tortoise.*

Turtle-back.

- description of 13: 136.
- forms, explanation of 15: LIX, 30, 138.
- in Illinois, source of 13: 171.

Turtle Bearers. *See* Ke'in Subgens.**Turtle Carrier Gens. *See* Ke'-k'in Gens.****Turtle Clan**

- affiliations of 42: 121.
- Iroquois myth of the origin of 2: 77.

Turtle Clan—Continued

- mention of, by J. Adair 42: 119.
- native names for 42: 116.

Turtle Creek, effigy mounds on 37: 98.

Turtle Disease, symptoms and treatment of 42: 646 *sq.*

Turtle Dove

- a Cherokee clan 42: 118.
- Cherokee name for 19: 281.

Turtle-egg Oil

- for body anointing 38: § 511.
- mention of 38: § 26.

Turtle Mounds

- mention of 37: 81.
- not connected with Winnebago clans 37: 98.

Turtle Mountain Chippewa

- land cessions and reservations 18: 908, 916.
- linguistic investigations among 28: 239.

Turtle River, identification of 14: 1029.

Turtle-shells

- in Tusayan ceremony 16: 212.
- See also* Rattle; Turtle.

Turtle, Snapping

- a life symbol 36: 92.
- See also* Snapping Turtle.

Turtle Subgens of several tribes 27: 38.

Turtle, the Hero

- offerings to 37: 441, 542.
- world ruled by 37: 316.

Turtles, A. H., on wild rice in Virginia 19: 1032.

Türtumsi

- derivation of, from Comanche tribe 21: 99.
- description of 21: 99.

Turu, *Oenocarpus* sp.

- drink made from 38: § 270.
- fruit of 38: § 247.
- fruit of, festival at ripening of 30: 138.
- spinous processes used for darts 38: § 120.
- use of leaves of, for baskets 38: § 456.
- use of leaves of, for thatch 38: § 321, 324.

Tururi Bark

- use of, for bowstring 38: § 127.

Tururi Bark—Continued

- use of, for laps 38: § 547.
- use of, for "shirts" 38: § 539.

Turwi, home of Asa clan 19: 610.

Tusayan

- a Shoshonean tongue 7: 139.
- ancient villages of 15: LXXI, 305.
- application of the term 17: 577.
- architecture of, memoir on 23: XLV.
- bringing of Buffalo Maid to sun by 21: 31.
- bringing of helmet of Teakwaina to 21: 62.
- ceremonials at 14: 544.
- collection of fictile products of 16: XLIX.
- cultivation of cotton at 14: 550.
- description of 14: 519, 524.
- description of, by Jaramillo 14: 586.
- description of, by Zuñi Indians 14: 488.
- ethnologic exploration of 21: XL.
- germ god of 21: 38.
- habitat and population of 7: 110.
- house-building rites of 8: 100-104.
- houses of, owned by women 8: 101.
- identified with Hopi villages 17: 595.
- introduction of East Mesa Natackas into 21: 71.
- introduction of Lalakoñti into 21: 58.
- introduction of Loica and Kokopilli into 21: 62.
- kivas in 8: 111-137; 13: 257.
- known to Sonora Indians 14: 357.
- list of kivas of 8: 136.
- map of 22, i: 21.
- masonry at 16: 161.
- memoir on clan localization in 19: XLI.
- memoir on Flute and Snake ceremonies of 19: XLV.
- memoir on migration traditions of 19: XXXIX *sq.*
- mention of 3: XX.
- migration to, of Tewas 16: 196.
- model of the seven villages of 6: XLVII.
- notched doorways in 13: 254, 255.
- order of settlement of, by various peoples 8: 29.

Tusayan—Continued

- ornament, illustrations of 6: 247, 248.
- pottery 4: 269, 279, 283, 294, 300, 304, 307, 311, 316, 321, 358, 451; 28: 137, 138.
- pottery, characteristic color of 22, i: 192.
- pottery, decorations on, superiority of 22, i: 129.
- primitive architecture of 13: 261.
- province of 4: 493.
- pueblos, work among 10: xvii-xxii.
- ruins and inhabited villages of 8: 42-79.
- ruins of, discussion of 17: 577-742.
- Snake ceremonies of, memoir on 16: xcvi sqq., 267-312.
- study of fraternities, cults and altars in 19: XLVII, XLVIII sq., L-LIII.
- survey of 8: 15.
- Tecanáu introduced by Pakab clan into 21: 91.
- Tewan pueblo of 7: 122.
- towns in 1540 17: 606.
- traditional history of 8: 16-41.
- Tucana identified with 14: 390.
- village of 16: xcvi.
- village, location of, when discovered 16: 91.
- visit of Tovar to 14: LVII, 390, 562, 593.
- visit to, reference to 22, i: 120.
- work in 7: xxiv, xxv; 19: xiv.
- See also* Hopi; Hopituh; Moki; Pueblo; Sikyatki.
- Tusayan and Cibola Architecture**
compared by constructional details 8: 100-223.
- details of 8: 137-223.
- study of, by V. Mindeleff 8: 3-228.
- Tusayan Clans**, localization of, by Cosmos Mindeleff 19: 635-653.
- Tusayan Indians**
occupancy of Verde Valley by the 13: 188.
- reference to the 28: 79.
- Water gentes of the 13: 188.
- Tusayan Katcinas**, memoir on 15: c, 245-313.
- Tusayan Migration Traditions**, memoir on 19: 573-633.

Tusayan Snake and Flute Ceremony, memoir on 19: 957-1011.

Tuscaluca, punishment in, for adultery 42: 347.

Tuscarora

adopted into League of Iroquois 43: 463.

an Iroquoian tribe 7: 139.

as traders 42: 723.

basketry of the 13: 16.

Cherokee relations with 19: 14, 32, 36, 38, 379.

enslavement of the 19: 233.

expulsion of, from North Carolina 19: 483.

former habitat of the 20: 142.

games of the 24:

dice games 118.

hoop and pole 477.

mention of 477.

shinny 629.

snow-snake 413.

isolation of, from other Iroquoian peoples 20: 159.

land cessions and reservations 14: 26; 18: 628 sq.

legends obtained from the 10: xvii.

linguistic relationships of 20: 142.

linguistic work among the 10: xx.

mention of the 3: xxviii.

myths and beliefs of the 19: 442, 466, 501, 505.

names appertaining to sorcery 2: 68.

neighbors of the Cherokee 5: 91.

participation in Lewis's expedition by 19: 41.

population of the 7: 81.

position of the 42: 118.

pottery possibly made by the 20: 164.

relation of, to the Cherokee 42: 712.

removal northward of the 42: 765.

researches among the 42: 11.

sketch of the 19: 498.

study of language of 15: xxiii; 30: 20.

wampum recording admission of, to Iroquois league 19: 354.

war between colonies and 19: 32.

war with North Carolina 18: 627.

See also New York Indians; Six Nations.

- Tuscarora-English Dictionary**, work on 8: xxviii; 13: xli; 14: xlii.
- Tuscarora Reservation, Ontario**, researches in 28: 15.
- Tushepaw**, a synonym of the Kutenai 14: 731.
- Tu'shipa**, application of the term 14: 731.
- Tushquegan**. *See* **McCarty's Village**.
- Tuskarora**. *See* **Tuscarora**.
- Tuskegee**
 allocation of clans in beds at 42: 201-204.
 arrangement of square ground of 42: 216, 241, 242.
 burial custom of 42: 394.
 burning of 19: 51.
 celebration of busk at 42: 585.
 clan councils of 42: 124.
 clans of, furnishing chiefs and henihās 42: 192, 194.
 clans, phratries and moieties of 42: 158 sq.
 customs of 42: 359.
 facial painting in 42: 246, 297.
 location of 42: 46.
 medicines taken at 42: 608.
 position of beds at 42: 198.
 Upper Creek White town 42: 124, 254.
 war bundle of 42: 425.
See also **Taskigi**; **Tasquiguy**.
- Tuski**, an Asiatic tribe 7: 74.
- Tuski Hajo**
 cession of reserve for 18: 736 sqq.
 reservation for 18: 706.
- Tusonimó**, Pima ranch 26: 20.
- Tusonimon**, town mentioned by Mange 26: 82.
- Tusquittee Bald**, myth concerning 19: 410.
- Tussekiah Mic-co**, narrative obtained from 42: 49 sqq.
- Tussekiah Mico**, Kasihta chief, mention of 44: 176.
- Tussoc River**, mention of 46: 118.
- Tus-tum-nuc**, warrior of the Creek nation 42: 328.
- Tutahaco**
 Coronado's visit to 14: 492.
 description of, by Jaramillo 14: 587.
- Tutahaco—Continued**
 pueblos 14: 519, 525.
 Tigua name of Acoma 14: 492.
 worship of the cross at 14: 544.
- Tutelarism**, definition of 1: 41.
- Tutelo Indian or Tribe**
 a Siouan tribe 17: 112.
 adoption of, into the League of the Iroquois 43: 463.
 and Dakota resemblance 15: 159.
 clans of the 15: 244.
 divisions of the 15: 164.
 former habitat of the 20: 142.
 habitat of the, in 1671 7: 114.
 habitat of the, in about 1885 7: 116.
 population of the 7: 118.
 researches among the 29: 18.
- Tutelo Language**
 data on the 28: 15.
 study of the 13: xxxix.
- Tutelo-Saura Path** 42: 765.
- Tutelo Village**, trail at 42: 761.
- Tuthea-nây**, Tigua name for Acoma 14: 492.
- Tututni**, stick games of the 24: 239.
- Tüwa or Sand Clan**
 advent of, at Walpi 19: 585.
 member of the Patkigroup 19: 596.
- Tüwa-Kükütc Clan**, census of the 19: 603.
- Tüwa-Kükütc Group**
 advent of, at Walpi 19: 585.
 component clans of 19: 583.
- Tuwahlki** or watch-house 8: 27.
- Tuwanacabi**
 home of Honani clans 19: 606.
See also **Honani Clan**.
- Tuwanakabi**. *See* **Tuwanacabi**.
- Tuwapoñtumsi**, "Earth-altar-woman" 19: 596.
- Tuwechiche**, Oconee "king" 42: 34.
- Tuwii**
 mention of 8: 30.
See also **Santo Domingo**.
- Tuxeque**, Indian village on Great Plains 14: 577.
- Tuxican**, *Tlingit* town
 clans at 26: 410.
 mention of 26: 397.
- Tuyuka Indians**, natal customs of 30: 322.
- Tuzan**
 name applied to Tusayan 17: 595.
See also **Tusayan**.

Twana Indian

- and Clallams, canoe burial of 1: 171 *sqq.*
- and Clallams, funeral ceremonies of 1: 176.
- and Clallams, mourning observances of 1: 176.
- basketry of the 41: 137.
- games of the 24:
 - dice games 158.
 - hand games 303 *sq.*
 - stick games 256.
- mention of 41: 136.
- method of stripping bark 13: 109.
- thunder-bird of 4: 189; 10: 485.
- war paint of the 10: 632.
- See also* Skokomish.

Tweezers

- of shell 2: 212.
- use of 45: 83.

Twelve-mile Point below Paimute 46: 67.**Twigs**, use of, in roof construction 8: 150.**Twilight Land** of Cherokee myth 19: 435, 437.**Twilled Basketry Pattern** 38: § 108, 433.**Twin-flower**, mention of 33: 80.**Twin War Gods.** *See* War Gods.**Twine**

- making of 45: 225, 328.
- making of, by the Menomini 14: 260.
- method of making 44: 378.
- of the Guiana Indians 38: p. 92-110 (Ch. III).
- twisters, use of gorgets as 13: 117.
- See also* Cord; Rope; String.

Twined Basketry Pattern 38: § 112.**Twins**

- afterbirth of 35: 678, 686.
- among the Flathead 45: 381.
- among the Kwakiutl 35: 852.
- attitude toward 47: 214.
- beliefs concerning 35: 713; 42: 361; 44: 222; 45: 166.
- birth of, in Iroquoian cosmology 21: 292.
- burial of 35: 686.
- cause of 30: 320
- ceremonial circuit of 35: 682.
- ceremonial for 35: 692.

Twins—Continued

- consequences of 30: 320, 325.
- control of weather by 35: 631, 633.
- cradle of 35: 673.
- customs concerning 35: 674; 45: 508.
- destruction of 35: 686; 38: § 729.
- male, birth of 21: 185, 230.
- mention of 35: 713.
- mother of, treats new-born child 35: 667.
- myths concerning 11: 182.
- name of elder brother of 35: 681, 694.
- names of 35: 684.
- occurrence of 46: 513.
- painting of, after death 35: 687.
- parents of, call wind 35: 631.
- parents of, feared by chiefs 35: 689.
- parents of, gather fog 35: 632.
- parents of, released from customs 35: 690 *sq.*
- predict death 35: 717.
- restrictions regarding 45: 279.
- room of mother of 35: 676 *sqq.*
- supernatural power of 42: 615.
- younger brother of 35: 692, 694.
- Twins, The Divine.** *See* Zuñi, *mythology of.*
- Twins, the Heroes**, offerings to 37: 441.

Twisted-Stalk, use of 44: 293, 360.**Twisters**

- for making Eskimo bows 9: 292 *sqq.*
- used by the Eskimo 18: 111.

Twitchell, R. E.

- on Jacona 29: 330.
- on Pecos 29: 477.
- on Perage 29: 263.
- on Pueblo ruins 29: 252, 390, 558.
- on San Cristóbal 29: 486.
- on San Ildefonso 29: 304.
- on Santa Clara 29: 241.
- on Santa Fé 29: 459, 462 *sq.*
- on Tesuque 29: 388.
- on Yuqueyunque 29: 227.

Two Bulls, Ponca, reference to 27: 50.**Two Crows**

- acknowledgment to 11: 362.
- cited in "Omaha Sociology" 3: *passim* (p. 205-370).
- cited on Indian beliefs 11: 371, 375, 382, 526.

Two Crows—Continued

cited on shamanism 11: 392.

cited on Siouan customs 11: 390.

Two-fingered Negroes. *See* **Touvinga.****Two Guns**, a Seneca chief 24: 412.**Two Kettles**

a Teton division 14: 1059

definition of 4: 97.

gentes of the 15: 220.

habitat of the 15: 161.

mention of the 4: 93, 94, 105, 113, 117, 122.

Two Moons, portrait made of 34: 28.**Two Old Men.** *See* **Old Men.****Two-ply Cotton Twine** 38: § 35.**Two Rivers, Wis.**, pottery from 20: 195.**Two Strike**

at battle of Wounded Knee 14: 873.

flight of, to Bad Lands 14: 884.

Ghost dance led by 14: 847.

operations of, in Sioux outbreak 14: 881.

Pine Ridge Agency attacked by 14: 873, 875.

surrender of 14: 867, 868.

Twobig, Daniel, killed at Wounded Knee 14: 872.**Twofold Grouping**, discussion of 37: 185 *sqq.***Txä'msEm**, myths concerning 31: 58-106.**Ty Maur**, pestle from, description of 13: 88.**Tyich**, a Tai'-äq synonym 14: 742.**Tyigh**, population of 7: 107.**Tying Wild Rice**

bast used in 19: 1058-1061.

mechanical means employed in 19: 1061.

reasons for 19: 1058, 1059.

Tykiak, mention of 46: 176.**Tyler, John M.**, settlement of difficulties with Cherokee promised by 5: 296.**Tylor, Sir Edward B.**

animistic theory of 15: 253.

Anthropology by, cited 3: 391.

doctrine of animism formulated by 20: CLXXII.

mention of 46: 373.

on Amazon Indian drilling 13: 165.

Tylor, Sir Edward B.—Continued

on arrow-chipping 13: 139, 142.

on bull-roarer 9: 478.

on fetishism 11: 412.

on Indian medicine-men 9: 458.

on Mexican maquahuitl 13: 144.

on Peruvian obsidian working 13: 172.

on primitive marriage 17: 284*.

on primitive sacrifice 17: 738.

on religious concepts 16: 310.

on resemblance of American and British arrow-points 13: 58.

on sign language 1: 293, 320, 323.

on similarity of stone products 13: 59.

on use of turtlebacks 13: 139.

visit of, to Zuñi 5: 540.

Tyout, Algeria, petroglyphs at 10: 178, 179.**Types**

physical, of the Yukon Indians 46: 83.

See also **Indians**; and names of different tribes.**Typha**, medicinal use of 27: 584.**Typha Angustifolia** Linn. *See* **Cat-tail.****Typha Latifolia**

a life symbol 36: 93.

mention of 33: 64; 45: 482, 496, 498.

use of 44: 294, 378.

Typhaceae, mention of 33: 64.**Typhoid** among the Pima 26: 268.**Tyrant Stage.** *See* **Monarchical Stage.****Tz'**, phonetic value of 16: 218, 225.**Tzac**, definition of 16: 241.**Tzec** symbol in Dresden Codex 16: 242.**Tzental**

day names of the 16: 206.

days, list of 19: 807.

number names of 19: 862, 863.

Tzi day symbol, discussion of 16: 239.**Tziclim**, definition of 16: 242.**Tzi-daltai** of the Apache 9: 587.**Tziquin** day symbol, discussion of 16: 250.**Tzoalli**

cakes of, used in Indian sacrifices 9: 523-528.

idols formed of 9: 525 *sq.*

Tzotzil, number names of 19: 862, 863, 906.

Tzoz symbol in Maya hieroglyphs 16: 225.

U

Uaca, seeds of, a source of oil 38: § 25.

Uacarra Indians

marriage customs of the 30: 314 sq.
on the Rio Apaporis 38: § 885.

Uah, signification of 16: 229.

Uajana. *See Oyana*.

Ualik, mention of 46: 190.

Uamma ("snake"), Caribs descended from 30: 143 sq.

Úanam éhkona of Zuñi mythology 13: 381.

Úanam Yáluna of Zuñi mythology 13: 381.

Uanana, a tribe of Betoya stock on the Uapes 38: § 359.

Uangeru, ceremony of 37: 387.

Uaupes River Indians

binas of 30: 284 sq.
eclipses among the 30: 258 sq.
festivals of 30: 138, 139.
food laws of the 30: 297.
medicine-men of 30: 341.
natal customs of the 30: 322.
puberty customs of the 30: 311.
resemblance to women 30: 365.
storms 30: 269 sq.
talismans of the 30: 291.

Ubeda, F. Luis de. *See Luis*.

Ubeda y Delgado, Manuel, on area of Porto Rico 25: 21.

Uchean Stock

linguistic relations of 42: 678.
mention of 7: 126 sq.

Uchee

connection of, with South Appalachian pottery 20: 139, 143.
former residence of 20: 142.
tribe of Creek Confederacy 19: 498 sq.

See also Yuchi.

Uchi'chol, sketch of the 14: 740.

Uçita, mention of mound at 42: 175.

Ucümüryawû. *See March*.

Udgi

given refuge by the Creeks 42: 46.
See also Yuchi.

Udleqdjun, mention of 6: 636, 637.

Ugak Bay, mention of 46: 185.

Ugalakmiut, sometimes enumerated with Tlingit 26: 396.

Uganik, mention of 46: 186.

Ugarte, Juan de, explorations in Seriland by 17: 67 sqq.

Ugashik, mention of 46: 189.

Ugjulirmiut Eskimo Tribe, situation of 6: 458.

Uglaamie

native name of Barrow 46: 169, 228.

See also Barrow.

Ugly-face Woman, trance experience of 14: 962.

Ugûnste'li Fish, myth concerning 19: 307 sq.

U'hana yäl'länne, legend concerning 23: 606.

Uhle, Adolph, on Bribi numerals 19: 919.

Uhlenbeck, Dr. C. C.

on certain Piegan forms 28: 231 sq.
reference to 28: 226.

U'honto'nga, Omaha warrior 27: 100.

U'hontonga t'ethaithon, location of 27: 100.

U'huhukwe. *See Eagle Down Fraternity*.

Uhyûñli, pottery making by 20: 56.

Uill, Carib Island name for the commander in battle 33: § 760.

Uinkaret, games of playing cards 24: 791.

Uinta Uta land cessions and reservations 18: 824, 848, 893, 924, 926.

Uinta Ute. *See Ute, Uinta*.

Uintah Military Reserve 18: 924.

Uissuit

fabulous people in Eskimo tradition 6: 640.

mention of 6: 621.

Uitoto. *See Maku*.

Ukagamut

carvings from 18: 196.

description of 18: 251.

implements from 18: 105, 192.

Ukak, mention of 46: 194.

Uksu'hi, myths concerning 19: 241, 301 sq., 431, 462.

Uktena, myths and lore concerning 19: 264, 297-300, 350 sq., 396, 458-461.

- Ukusiksalirmiut Eskimo Tribe**, situation of 6: 458.
- Ukvikhtulig**, mention of 46: 200.
- Ukyucay**, trephined crania from 16: 12, 65.
- U'la'gû'**, myth concerning 19: 260.
- Ulcers**, treatment of 42: 661, 770.
- Ulibahali**
a stockaded town 42: 438.
See also Liwahali.
- Ulloa, Francisco de**
explorations and observations by 17: 52 sq.
exploration of Gulf of California by 14: 369.
limit of explorations of 14: 404.
- Ulmaceae** 33: 75.
- Ulmus**
medicinal use of 42: 660.
mention of 33: 61.
- Ulmus Americana** 33: 75.
- Ulmus Fulva**
medicinal use of 42: 665.
mention of 33: 76.
use of 44: 294, 342, 378.
- Ulmus Thomasi** 33: 75.
- Ulna**, mention of 46: 158.
- Ulothrix** 33: 61.
- Ulûñsû'ti**, myths and lore concerning 19: 264, 297-300, 350 sq., 396, 458-461.
- Umalik**, mention of 46: 207.
- Umane**, signification of symbol 11: 451.
- U'mañhañ**, meaning of the word 14: 1093.
- Umatilla Indian or Tribe**
caps worn by the 41: 354.
Flathead name for the 45: 301.
games 24:
hand game 305 sq.
hoop and pole 421, 422, 493 sq.
ring and pin 528, 553.
shinny 633.
land cessions and reservations 18: 804, 908, 918, 928.
mention of 41: 136.
name of, in sign language 45: 147.
opinion of land assignments 14: 710.
past habitat of, in about 1893 14: 805.
population of the 7: 107.
- Umatilla Indian or Tribe—Contd.**
sketch of the 14: 744.
vocabulary of language of 10: xiv.
- Umatilla Reserve**
changes in 18: 908, 918, 928.
establishment of 18: 804.
Indians on 14: 805.
Smohalla performance at 14: 725.
visit of Sioux delegation to 14: 820.
- Umaua.** *See Omaua.*
- Umbilical Cord** 33: 627; 38: § 905.
- Umbrella Plant**, use of 44: 286, 362.
- Umbwaygeezhig**, Ojibwa treaty signer 14: 28.
- Umi** 33: 339, 627, 649, 660.
- Umiak-pak**
mention of 46: 91.
See also Boats; Umiaks.
- Umiaks**
of the Eskimo 9: 335-344; 18: 216 sqq.
tools used by Eskimo in making 18: 85.
See also Boats; Umiak-pak.
- Umialiks**, Eskimo 9: 429 sq.
- Umpqua**
amounts of wild rice harvested by 19: 1076.
cession of land by 18: 635.
hand game of the 24: 274.
land cessions and reservations 18: 790, 796 sqq., 814.
population of 7: 56.
Scouler on the 7: 81.
See also Siletz Reserve.
- Unaka**, mention of 46: 194.
- Unakhtuglig**, mention of 46: 199.
- Uñaktolik**
experience of E. W. Nelson at 18: 298.
ornaments from 18: 48.
- Uñaktolik River**, people of 18: 26.
- Unalachtigo Dialect**, references to 28: 275, 290, 290a.
- Unalakleet**, mention of 46: 199.
- Unalaklik**
mention of 46: 195.
painted burial boxes of 46: 64.
- Unalaklit**
ceremonial objects from 18: 420 sq.

Unalaklit—Continued

- conditions observed by E. W. Nelson near 18: 298.
- dance at 18: 356 *sq.*
- implements from 18: 80, 92, 100, 102, 103, 110, 136, 142, 144, 145, 147–150, 156, 159, 165, 172, 180.
- legends from 18: 471–475.
- people of 18: 24.
- tobacco implements from 18: 280, 282.
- toys from 18: 344.
- transportation apparatus from 18: 210, 222.

Unalaska

- crania from 46: 286, 290.
- relic of art found in 10: 220.
- trip to 46: 31, 122.

Unaligmiut. *See* **Unalit.****Unalit**

- games 18: 330–339.
- language, different from Kaviagmiut and Malemut 18: 25.
- language, translation from 18: 475–479.
- language, words from 18: 232, 234, 301, 306, 310, 322.
- method of burial, ancient 18: 312.
- range of 18: 26.

Unami Dialect, references to 28: 275, 290, 290a.**Unangashik**, mention of 46: 189.**Unataqua.** *See* **Nadako.****Uñba**, ancient Hano springs on East Mesa 19: 615.**Uncachogue**, dialect of 43: 214.**Uncas**

- a Mohegan sachem 43: 207.
- mention of 43: 209, 218.
- sale of land by 18: 615 *sqq.*
- tradition concerning 43: 259.

Uncas, Martha

- grandmother of Fidelia Fielding 43: 224.
- story told by 43: 261.

Uncas Family, mention of 43: 224.**Uncas Fort**

- description of 43: 253 *sq.*
- size of 43: 258.

Unclassified Games

- played by the 24:
 - Clatsop 781, 782.
 - Dakota, Teton 783.
 - Eskimo, Central 782 *sq.*

Unclassified Games—Continued

- played by the 24—continued
 - Haida 784.
 - Illinois 781.
 - Kwakiutl 784 *sqq.*
 - Maya 783 *sq.*
 - Navaho 781.
 - Takulli 781 *sq.*

Uncle

- application of the term 42: 81, 92.
- maternal, advice given by, to niece 40: 323 *sqq.*, 331, 333, 335.
- maternal, children corrected by 42: 365.
- maternal, relation of, to nephew 40: 585.
- maternal, relation of, to niece 40: 323, 343.
- paternal, relation of, to niece 40: 340.
- use of the term 44: 223 *sq.*
- use of the term by clans 42: 145.
- See also* **Joking Relationship.**

Uncle Remus

- on character of rabbit 19: 233.
- on negro myths 19: 448.

Uncompahgre Uta, executive order affecting 18: 904.**Uncompahgre Ute.** *See* **Ute**, *Uncompahgre.***Uncpapa**

- definition of 4: 98.
- mention of 4: 100, 103, 104, 106, 116, 122, 126.

Uncpapa Dakota, personal name of 10: 445.**Underground House**

- in Tsimshian belief 31: 396.
- storage basket called 41: 205.

Underground Panthers, myth of 19: 324.**Underworld**

- in Tewa conception 29: 51.
- in Troano Codex 16: 216.
- myths concerning 19: 239, 341–347.
- of the Hopi 15: 258.
- references to 29: 164, 567.

Underworld God in Troano Codex 16: 243.**Underworld People**

- in Pima mythology 26: 214, 226, 230, 345 *sq.*
- in Pima song 26: 279–282.

- Une'gadehi'.** *See* **White-Man-Killer.**
- Ungava Bay**
 crania from 46: 288.
 description of 11: 171.
 ethnology of 11: 167.
- Ungava District,** mention of 11: 267.
- Ungavimiut Eskimo Tribe,** situation of 6: 463.
- Unguents.** *See* **Oil, anointing.**
- Unicoid Turnpike**
 building of 19: 87.
 mention of 42: 772.
- Unifolium Dilatatum** 35: 601.
- Uniformity** of signs distinguished from their systematic use 1: 330.
- Unio Shells**
 obtained from mound 2: 190.
 used as implements 2: 190, 205.
 used as utensils 2: 190, 199.
 used in manufacture of beads 2: 223.
 used in manufacture of ornament 2: 260.
 used in manufacture of spoons 2: 199.
- Union,** pictographic sign for 10: 602, 603.
- Union Cherokee** in Civil War 19: 171 *sq.*
- Union County, Ga.,** rock carvings in 4: 23.
- Union County, Ill.**
 flint in 44: 530 *sqq.*
 occurrence of salt-making vessels in 20: 28.
 pottery of 20: 192.
- Union Island,** number of specimens from 34: 49.
- United States**
 Cherokee relations with 19: 61, 228.
 flag, Indian name for 42: 576.
 forces attack Arikaras 4: 111 *sq.*
 Indian policy of 18: 528-536, 639-643.
 petroglyphs in 10: 45-130.
- United States Board of Geographic Names,** Smithsonian Institution represented on 34: 8; 48: 14.
- United States Coast and Geodetic Survey,** collection from Perdido Bay obtained by members of 20: 105.
- United States, Eastern,** pottery of 20: 3-201.
- United States Geological Survey,** acknowledgments to members of 20: 17.
- United States Government,** influence of 47: 57 *sqq.*
- United States Indian Office.** *See* **Office of Indian Affairs.**
- United States National Museum**
 acknowledgments to curators of 24: 30.
 additions to collections in 25: 17.
 collection presented to, by Miss Gould 34: 216.
 elbow stone in 34: 202.
 engraved celt in 34: 178.
 Eskimo crania in 46: 237, 238, 254.
 fossil ivory culture of 46: 174.
 Latimer collection in 34: 131.
 Mayan codices in 19: 700.
 three-pointed stones in 25: 116.
 Wa-xo'-be To'ga owned by 36: 73.
See also **Museum.**
- United States of Colombia,** petroglyphs in 10: 143, 144.
- United States Supreme Court,** quoted on right to soil 18: 528-533.
- United States War Department**
 aid given by 47: 11.
See also **War Department.**
- Units** of value and measurements, Eskimo 18: 232 *sqq.*
- Universe**
 beginnings of 23: 23, 24.
 creation of stars and constellations 23: 24.
 Zuñi general conceptions of 23: 20 *sqq.*
See also **Cosmology; Earth; Mythology.**
- University Museum, Philadelphia**
 mention of 46: 166, 206, 254, 255, 318.
 ornate stone lamp in 46: 34, 55.
 work of, in Alaska 46: 32.
- University of California,** archeologic explorations by 28: 18.
- University of Colorado,** cooperation of, with School of American Archeology 33: 161.
- University of Havana Museum,** engraved celt in 34: 179.

- University of Pennsylvania**
 acknowledgment to 19: 700.
 Mayan inscriptions in 18: 700.
- Unktehi**, worship of the 11: 438.
- Unleavened Bread**, mention of 9: 543 sq.
- U'-noⁿ Wi'gi-e**, mention of 43: 101 sq.
- Unoⁿ'baha**, keeper of the Pack, Ponca 27: 439.
- Unseeable**, Tlingit spirit 26: 465 sq.
- Unseen Helpers**, legend of 19: 359.
- Untailing of men in Zuñi mythology** 13: 416.
- Ūntsaiyī'**
 a mythic gambler, Cherokee 24: 475.
 Cherokee myths concerning 19: 308, 310, 311-315, 463, 464.
- Unungun**, population of 7: 75.
- Unwritten Language**, study of 2: xvii.
- Uotan**. *See* Votan.
- Upanguayma**
 classification of 17: 78, 102, 103, 104, 130*.
 synonymy of 17: 129* sq.
- Upatrico**, settlement of 14: 515.
- Upham, E. P.**, specimens from Casa Grande listed by 28: 161.
- Upham, Warren**, on wild rice in Minnesota and Wisconsin 19: 1035, 1036.
- Uphapee Creek**, mention of 42: 39.
- Upland Environment**, influence of, on pottery 20: 159 sq.
- Upoimico**, Little Tallessey chief 42: 322.
- Upper Blue Licks**, location of 42: 787.
- Upper Blue Licks Prong of Warrior's Path** 42: 786 sqq.
- Upper Chinook**, a Kwikwālt synonym 14: 741.
- Upper Creek**
 location of the 42: 315.
 Na'htchi joined by the 7: 96.
 origin of the name 42: 307.
- Upper Eufaula**. *See* Eufaula, Upper.
- Upper Fraser Band**
 basketry of the 41: 156, 223.
 territory of the 45: 447.
- Upper Klamath**. *See* Odeilah.
- Upper Kutenai or Kootenai**
 Flathead name for 45: 300.
 mention of 41: 135.
- Upper Mississippi Mounds** 5: 10, 24-44.
- Upper Mississippi Province**, in pottery 4: 426-430.
- Upper Mississippi Valley**. *See* Northwest.
- Upper Sandusky**
 trail to 42: 786.
 treaty of 18: 776.
- Upper Spokane**, population of 7: 105.
- Upper Thompson Indians**
 basketry of 41: 144, 156, 174, 195, 205, 209, 211, 223, 431 sqq., 434, 435, 437.
 material used by, in basket making 41: 145 sq.
- Upper Towns**, territory covered by 42: 333.
- Upper Umpqua Villages**, location of 7: 134.
- Upper Utā'mqt**, basketry of 41: 201, 236, 257, 446, 454.
- Uraba (1)**, Makusi name for a bow 38: § 125.
- Uraba (2)**
 Indian village mentioned by Jaramillo 14: 587.
See also Braba; Taos; Yuraba.
- Urari**. *See* Curare.
- Urayoan**, a Porto Rican chief 25: 39.
- Urcicimû**, description of 21: 106.
- Uricoechea, E.**, on Chibcha numerals 19: 918.
- Urine**
 as restorative 35: 911.
 drinking of, among the Indians 15: 294, 303.
 Eskimo use of, in bathing 18: 287.
 Eskimo use of, in tanning 18: 117.
 for prevention against sickness 35: 668.
 for soaking cedar withes 35: 77, 120.
 for washing 35: 461.
 retention of, cure for 30: 53, 371.
 use of, as mordant 14: 522.
 use of, in steaming canoe 35: 94.
- Urn Burial**
 by Southern Indians 1: 137.
 in Alabama 42: 702.
 in British Guiana 38: § 836.
See also Burial.

Urns

- burial use of, by American aborigines 20: 37 *sqq.*
- cinerary, from Pueblo Viejo, description of 22, i: 173, 181 *sq.*
- See also* Urn Burial.

Urrea, Lope de

- companion of Coronado 14: 477.
- Indians interviewed by 14: 499.

Urtica Gracilis

- medicinal constituents of 44: 305.
- medicinal properties of 44: 303.
- mention of 33: 77.
- use of 44: 294, 344, 346, 348.

Urtica Lyallii 45: 471, 499.**Urtica sp.** 45: 472, 505.**Urticaceae** 33: 77.**Urticaria** among the Pima 26: 268.**Urticastrum Divaricatum**, use of 44: 294, 378.**U. S.** *See* United States.**Usaa**, chief of Laguna Fathers 47: 355.**Uses**

- Appalachee-Ohio ware 20: 180.
- Eastern United States pottery 20: 24 *sq.*
- Florida Peninsula pottery 20: 118 *sqq.*
- Florida Peninsula pottery, varieties resulting from 20: 116.
- influence of, on form and ornament of pottery 20: 61, 63, 65.
- Iroquoian pottery 20: 162.
- Middle Atlantic Coast pottery 20: 148, 151.
- Middle Mississippi Valley pottery 20: 83.
- New Jersey-New England pottery 20: 175.
- Northwestern pottery 20: 188.
- Ohio Valley pottery 20: 185, 186.
- South Appalachian pottery 20: 132 *sq.*

Ushery. *See* Catawba.**Usi.** *See* Catawba.**Usnea Barbata** 33: 63.**Usneaceae** 33: 63.**Uspanteca**, number names of 19: 862.**Ustanali**

- Cherokee capital 19: 71, 80, 81.
- destruction of 19: 60, 75.
- Medicine dance at 19: 88.

Ustilaginaceae 33: 62.**Ustilago Esculenta**, destruction of wild rice by 19: 1027.**Ustilago Maydis** 33: 62.**Ustú'tlí**, myths concerning 19: 302 *sq.***Uta**

- land cessions and reservations 18: 780, 824, 828, 830, 848, 856, 864, 874, 882, 886, 892, 894, 898, 900, 902, 904, 908, 924, 926.
- population of 7: 110.

Utah

- a synonym of Ute 17: 167.
- archeological work in 40: 3.
- cliff-dwellings of 18: 151.
- collection from 19: xxix.
- Indian hoe, description of 13: 133.
- military posts, etc., in 17: 388.
- petroglyphs in 10: 116-121, 681.
- pictographs in 4: 37, 229.
- pottery from 4: 279, 286-291, 300, 449; 20: 201.
- rock carvings in 4: 26, 251.
- work in 7: xxix *sq.*

Uta'mvt

- basketry of 41: 133, 144, 241, 258, 322, 324, 378.

See also Lower Uta'mqt; Upper Uta'mqt.**Utcevaca**, site of old Patki pueblo 19: 597.**Utchium**, stick game of the 24: 248.**Ute Indian**

- alliance with troops by 17: 179.
- and Arapaho warfare 14: 954.
- at battle of Adobe Walls 17: 316.
- attendance of, at Ghost dance 14: 802.
- cairn burial of the 1: 142.
- capture of taimes by 17: 322.
- cave burial of the 1: 127, 128.
- conflict with, by the Tewa of Hano 8: 36.
- declaration of peace by 10: 360.
- depredations in Tusayan 17: 585.
- games of the 24:
 - ball juggling 712, 713.
 - hand game 276.
 - hoop and pole 420, 501.
 - ring and pin 554 *sq.*
- Ghost dance among the 14: 805.
- habitat of the 7: 109.

Ute Indian—Continued

- inroads of, upon Tusayan 8: 25, 26, 35.
- Kiowa fight with 17: 323.
- Kiowa hostility to 17: 160, 165.
- Kiowa raids against 17: 175, 306.
- late appearance of, at Tusayan 17: 581.
- linguistic affinity of 14: 525.
- linguistic studies among the 24: XXI.
- mention of 4: 108, 145.
- music, preparation of manuscript on 36: 27.
- myth of the 1: 23, 24, 27.
- on defeat of, by Tewa 19: 616.
- on removal of Old Walpi 19: 580.
- on influence of, on Pueblo architecture 19: 641.
- past habitat of, about 1893 14: 806.
- pigment used by the 29: 175.
- pottery of the 4: 276 sq.
- reception of, into Mormon church 14: 790.
- research among the 41: 67 sq.
- southern, absence of Ghost dance among the 14: 805, 806.
- stone image used by the 13: 116.
- stone knives of the 14: 282, 283.
- Tewa name for the 29: 578.
- tribal sign for the 1: 475.

Ute, Uinta

- games of the 24:
 - ball juggling 713.
 - dice games 172 sq.
 - double ball 663.
 - hand game 315.
 - hoop and pole 500.
 - shinny 636.

Ute, Uncompahgre, hoop and pole game of the 24: 501.

Ute, Yampa, hand game of the 24: 315.

Ute-man

- mention of 17: 378.
- See also* **Íatākía**.

Utensils

- and furnishings 45: 64 sq.
- birch-bark 44: 389.
- cooking, among the Northern Indians 11: 228, 300.
- cooking and eating 37: 118 sq.

Utensils—Continued

- from Florida, collection and study of 18: xxx sq.
- household 45: 229 sq.
- household, of the Eskimo 9:
 - bone-crushers 93-99.
 - buckets 86 sqq.
 - canteens 86.
 - drinking vessels 101-105.
 - mauls 93-99.
 - meat bowls 89.
 - pots 90-93.
 - trays 99 sqq.
 - tubs 86 sqq.
 - wallets 86.
- of cut stone 15: 105.
- of the Eskimo 18: 63-74.
- of the Flathead 45: 333.
- of the Menomini 14: 256.
- of the Omaha 13: 277.
- of the Paiute 14: 770.
- of the Seri 17: 10, 182*-186*, 208* sq.
- of the Siouan tribes 15: 171.
- See also* **Bowls; Griddles; Grinders; Implements; Mortars; Pestles; Pottery; Seats; Tools**, etc.

Utility

- modifies form in pottery 4: 452.
- occasional disregard of, Middle Mississippi Valley pottery 20: 85.
- relation of, to pleasure 19: LXI.

Utila, a Umatilla synonym 14: 744.

Utina Tribe, mention of 42: 324.

Utkiavik, mention of 46: 319.

Utkiavwiñ, Alaska

- description of 9: 79.
- location of 9: 26.
- population of 9: 43.
- signification of name 9: 26.

U'tlūñ'ta, myth of 19: 316-319, 466.

U'tsälä

- leader of Removal refuges 19: 157.
- Thomas's mission to 19: 157 sq., 408.

Uturituc, old Pima village 26: 20; 28: 37, 43.

Uuēita, ceremonial of 11: 458.

Upon Tea. *See* **Black Drink**.

Uva land cessions and reservations 18: 782, 788.

Uvaria Febrifuga, for fever 38: § 927.

- Uva-ursi** *Uva-ursi* 33: 108.
Uweuwelekehau 33: 655.
U'wtsûñ'ta, myth of 19: 303 sq., 462.
U'-xthi Thiⁿ-ge Subgens
 peace pipe as symbol of 36: 128.
 wi'-gi-e of 36: 128 sqq.
Uyak, mention of 46: 186.
Uzhin'eti (*symbolic figure*)
 description of 27: 234, 241 sq., 254.
 reference to 27: 601.
U'zhu
 explanation of the term 27: 208.
 officer in Shell society 27: 516, 522 sq., 537 sq., 559.
- V**
- Va'-af.** *See* **White People.**
Va'aki; Vâaki; Va'-aki
 in Pima mythology 26: 218.
 Pima name for Casa Grande 28: 33.
 See also **Casa Blanca.**
Vaca, Cabeza de
 cited on clay-eating by Indians 9: 538.
 cited on Floridan medicine-men 9: 470, 472.
 cited on galena among the Indians 9: 548.
 cited on Mexican customs 9: 445.
 See also **Cabeza de Vaca.**
Vacapa, identification of 14: 355.
Vacapan Province, crossing of, by Coronado 14: 487.
Vacas Mesa, mention of 29: 416.
Vaccination
 among the Assiniboin 46: 428.
 among the Western Indians 17: 176, 177.
Vaccinium, species of, used medicinally 42: 664.
Vaccinium Angustifolium, use of 44: 294, 307, 321, 338.
Vaccinium Membranaceum 45: 490.
Vaccinium Oreophilum 45: 484.
Vaccinium Ovalifolium 45: 490, 495.
Vaccinium Ovatum 45: 487.
Vaccinium Parvifolium 45: 490, 495.
Vaccinium sp. 45: 487, 490.
- Vachacos**, ants made into a paste 38: § 225.
Vacus (= *Acoma*) 29: 543.
Vado, mention of 29: 110.
Vagina Dentata in Tsimshian myth 31: 809.
Vagnera Racemosa
 mention of 45: 458, 486.
 use of 44: 294, 356.
Vagnera Stellata 45: 486.
Valdez, the terminal of the Richardson trail 46: 36.
Valdéz (= *Valdez Settlement*) 29: 117.
Valentine, M. H., archeologic collections of 15: 18.
Valentine, M. S., collections of 15: 72.
Valentine Museum, mention of 41: 555.
Valentini, Doctor —, paper by, mention of 1: 243 note.
Valerian, use of 45: 460, 494, 495, 506, 513.
Valeriana Sitchensis 45: 495, 506, 513.
Valeriana Sylvatica 45: 495, 506, 513.
Vall y Spinosa, Federico, modern Porto Rican legend by 25: 75 sq.
Valladolid
 name for Taos 29: 183.
 Spanish name for Braba 14: 511, 525.
 See also **Taos.**
Vallatoa, same as Jemez 29: 401.
Valle de los Posos, same as Posos Valley 29: 265.
Valle de los Tulares Language 7: 92.
Valle de los Vellacos. *See* **Valley of Knaves.**
Valle de Montezuma, same as Montezuma Valley 29: 564.
Valle de San Antonio
 mention of 29: 98.
 same as San Antonio Valley 29: 391.
Valle de San Luis, same as San Luis Valley 29: 564.
Valle de Santa Rosa
 mention of 29: 98.
 same as Santa Rosa Valley 29: 264.
Valle de Toledo, mention of 29: 408.

- Valle Grande**, mention of 29: 98, 276.
- Valle Middeldyk, R. A.**, on slavery in Porto Rico 25: 23.
- Vallecillo**, settlement of 14: 515.
- Vallecito**, mention of 29: 124, 270.
- Vallecito Creek**, mention of 29: 158, 398.
- Valles Chain**, same as Jemez Mountains 29: 105.
- Valles Mountains**, same as Jemez Mountains 29: 105.
- Valles, The** 29: 98.
- Valley City, Ind.**, arrowhead factories at 44: 525.
- Valley of Knaves**, rebellious Indians in 14: 502.
- Valley Ranch**, mention of 29: 556.
- Valleytown Mission**, establishment of 19: 107 *sq.*
- Vallier, S. G.**, patent of land to 18: 844.
- Vallièrre, A.**
cited on Indian beliefs 11: 394.
Kwapa gentes given by 15: 229.
- Value**
among the Guiana Indians 38: § 817.
Eskimo units of 18: 232.
Unalit terms for 18: 232.
See also Barter; Money.
- Valverde**, mention of 29: 554.
- Vampe**, same as Nambé Pueblo 29: 358.
- Vampire**
description of 30: 192.
legend of 30: 221.
See also Ghosts; Spirits.
- Van Buren, Martin**
compromise in Cherokee affairs offered by 5: 252.
election of, to presidency 19: 129.
treaty signed by 18: 641.
- Van Buskirk, Commodore** —, mention of 46: 122.
- Van Camper, Moses**, on mode of burial of Indians of Pennsylvania 1: 112.
- Van der Aa, Peter**, maps by 17: 56, 62.
- Van Kleeck, —**, presentation of ruin by 40: 3 *sq.*
- Van Rensselaer, Killaen**, patent issued to 18: 576 *sq.*
- Van Valin, W. B.**
mention of 46: 166, 206, 254, 318.
work of, in Alaska 46: 32.
- Van Vliet, Gen. Stewart**, on tree and scaffold burial 1: 153.
- Vanceburg, Ky.**, trail to 42: 780.
- Vancouver, Cape.** *See Cape Vancouver.*
- Vancouver Island, British Columbia**, petroglyphs in 10: 44 *sq.*
- Vandelia**, an emetic 38: § 920.
- Vandera, Joan de la**
on De Soto's route 19: 193.
on Pardo's expedition 19: 29.
- Vaniva.** *See Baniva.*
- Vann, David**
aid given to missionary work by 19: 84.
death of daughter of 19: 221.
- Vao Creek**, mention of 29: 351.
- Vapor Bath**
among the Guiana Indians 38: § 922.
cedar twigs used in 33: 64.
effect of 46: 429.
See also Sweat Houses.
- Vargas, Don Diego de**
Acomas reconquered by 47: 28.
Awatobi visited by 17: 594.
New Mexico reconquered by 13: 231.
Tusayan conquered by 17: 600.
Tusayan visited by 8: 35.
- Vargas, Eusebio**
quoted on the Sia 11: 9.
reference to writings of 11: XL.
- Vargas, Luis Ramirez de**, companion of Coronado 14: 477.
- Vargas, Rosendo**
myths dictated by 43: 293, 294.
songs rendered by 41: 84.
- Variants**, list of, mention of 1: 208.
- Vase**
British, from the work of Llewellyn Jewett 3: 399.
from Kintiel ruin, description and figure of 22, i: 130.
- Vases**
from Guadeloupe 34: 135.
from Pueblo ruins in Arizona, bird design on 22, i: 75 *sq.*
from Pueblo ruins in Arizona, description of 22, i: 61, 181 *sq.*, 189.

Vases—Continued

- from Trinidad 34: 68 sq.
- human figures on, description of 22, i: 71.
- in human effigy, from Pueblo ruins in Arizona, description of 22, i: 189-192.
- mention of 4: 301, 336-351.
- See also Pottery; Vase.*
- Vasey, Dr. George**, on wild rice in Siberia 19: 1037.
- Vashon, George**, treaty with Cherokee negotiated by 5: 252.
- Vasilief, M. N.**, mention of 46: 126, 127.
- Vat.** *See Trough.*
- Vater, J. S.**, cited 6: 262.
- Vatican Codex**
 - cited 3: 27, 28, 46, 50, 52, 53, 56, 57, 61, 63.
 - number and day symbols from 19: 937, 938, 943 sq., 947 sq.
- Vaudreuil, Marquis de**, Canada surrendered by 14: 16 sq.
- Vaulted**
 - house, mention of 38: § 299.
 - scaffold for drying leaves 38: § 322.
- Vaults, in mounds**
 - beehive shaped 12: 334, 335, 352, 353.
 - conical clay 12: 417.
 - double, wooden 12: 485.
 - wooden 12: 417, 427, 448, 485.
- Vaughan, Dr. G. T.**, acknowledgment to 30: 38.
- Vaughan, Harry S.**, mention of 41: 497, 588.
- Vaughan, Dr. T. Wayland**, work of 27: 10 sq.
- Vaugondy, Robert de**
 - map by 17: 64.
 - on name Cuttawa 19: 182.
- Veeard**, arrow chipped by the 13: 140.
- Vegetable Dyes**, sources of 30: 80, 83.
- Vegetable Forms**, copying of, in pottery 4: 270.
- Vegetable Oyster**, use of 45: 484, 493.
- Vegetables and plants cultivated by the Indians**, description of 12: 616.

Vegetal Designs on Hopi pottery 17: 698 sq.

Vegetal Fiber, use of brushes of, Middle Mississippi Valley 20: 86.

Vegetal Food

- of the Eskimo 18: 268.
- of the Seri 17: 206* sqq.
- of the Upper Missouri Indians 46: 583.

Vegetal Matter, employment of, in decoration of pottery 2: 331.

Vegetal Products of the Papago, Pima and Yuma 26: 91 sqq.

Vegetal Stains

use of, in Middle Mississippi Valley 20: 86.

See also Dyes.

Vegetal Substance

- articles of, from Santa Clara 2: 449.
- articles of, from Tesuque 2: 414.
- articles of, from Wolpi 2: 389.
- articles of, from Zuñi 2: 368.
- collections of 3: 435, 575, 589.
- mention of 2: 334.
- use of, in art 15: 21.

Vegetal Tempering

- eastern United States pottery 20: 46, 55.
- effect of use of, on color 20: 118.
- Florida Peninsula pottery 20: 117.

Vegetation

- about Casa Grande 28: 36.
- of cliff ruin region 16: 83.
- of Seriland 17: 31-36.
- of the Eskimo country 18: 24.
- of the Great Plains 15: 527.
- of the Navaho country 17: 480.
- of the Pueblo country 15: 586.
- of the Ungava district 11: 169, 173.
- treatment of, in Hako ceremony 22, ii: 31.

See also Plants; Trees.

Velarde, —, on Pima 26: 19.

Velarde Settlement, mention of 29: 198.

Velasco, —

- on Andrade-Espence expedition 17: 88-91.
- on attack on Seri in 1844 17: 88.
- on Cimarrones-Migueletes war 17: 83.

Velasco, — —Continued

- on Seri character, physique, food, etc. 17: 92.
- on Seri population 17: 92, 135*.
- on Seri wars 17: 94, 116.
- on Sonoran missions 17: 70.

Velasco, José M., work of, on plans of Cempoalan ruins 25: 234.

Velasquez, Sancho, on slavery in Porto Rico 25: 23.

Velie, J. W., shell pendants collected by 2: 208.

Venango County, Pa., rock carvings in 4: 20.

Venegas, Miguel

- map by 17: 65 sq.
- on Californian fishing devices 17: 194*.
- on cultivation of kidney-bean 26: 76.
- on education of medicine-men 26: 257 sq.
- on Iturbi expedition 17: 56.
- on Kino expedition 17: 57.
- on Salvatierra expedition 17: 67.
- on Seri conversion 17: 76 sq.
- on "Straits of Anian" 17: 55.
- on Urgate expedition 17: 68, 69.
- on use of human hair by Lower Californians 26: 116.
- quoting Salvatierra on California saguaro harvest 26: 72.

Venereal Diseases

- among the Creeks 42: 636.
 - among the Western Eskimo 46: 362.
- See also Syphilis.*

Venetian Ware, occurrence of, in Florida mounds 20: 120.

Venezuela

- antiquity of man in 25: 220.
- as source of Antilleans 25: 215-220.
- color stamps used by Piaroas of 10: 621.
- cup sculptures in 10: 195.
- investigation in 30: 107.
- mythic pictographs in 10: 487.
- petroglyphs in 10: 147-150.
- petroglyphs in, compared with Ojibwa and Shoshonean types 10: 688.
- pictographs in 4: 40.

Venezuelans

- canoe building by the 25: 217.
- culture of the 25: 214.
- houses of the 25: 217.
- language of the 25: 78.
- mortuary customs of the 25: 217.
- prehistoric implements of the 25: 216.

See also Arawak; Orinoco Tribes.

Vengeance

- agent of 30: 357-361.
- agent of, purification of 30: 360 sq.
- discovery of object of 30: 356 sq.
- execution of 30: 358-361.
- incarnation of 30: 354 sq.
- laws of 30: 354, 357-361.

See also Kanaima.

Veniaminof (f), Father Ivan

- mention of 46: 177.
- on the Aleuts 3: 137, 138.

Venison

- preservation of 11: 277.
- See also Deer.*

Venus's Fly-trap in Cherokee lore 19: 427.

Vera Cruz, Mexico

- Cempoalan easily reached from 25: 231.
- mention of 25: 231 sq.
- port of New Spain 14: 348.
- researches in 26: xiv sq.

Vera Cruz, Villa Rica de la, ruins near 26: xv.

Veratrum Californicum 45: 460, 510, 511, 512.

Verbal Compounds, Northern Black-foot 28: 231.

Verbal Forms

- Arapaho 28: 235.
- Micmac 28: 280.

Verbal Stems, list of, not exhaustive 40: 27.

Verbena Hastata, use of 44: 294, 356.

Verbascum Thapsus

- cedar used in, of recent introduction 33: 59.
- medicinal use of 42: 660.

Verbena Hastia 33: 111.

Verbena, Wild 33: 111.

Verbenaceae 33: 111.

Verbs

- in the English language 1: 14.

- Verbs**—Continued
in the Indian languages 1: 10, 11.
See also Verbal —.
- Verde River**, former name of 13: 186.
- Verde Valley**
aboriginal remains in 13: 185-261.
ancient migration route 28: 153, 158, 218.
and Tusayan ruins, comparison of 17: 573.
antiquities of, memoir on 28: 22.
archeology of 17: 530.
early inhabitants of 28: 211-219.
people of, relation of, to people of Casa Grande and Tempe 22, i: 34.
pottery from 28: 140.
pottery from, similarity of, to that from Chaves Pass and Gila-Salado basin 22, i: 34.
ruins of, discussion of 17: 536, 576; 28: 151, 187, 219 *sq.*
- Verdigris River**
Lower towns on 42: 333.
references to 27: 57, 92.
- Verendrye**, —, Mandan visited by 15: 196.
- Verification of death**, Caribs 1: 146.
- Verkinik, A.**, mention of 46: 48.
- Vermejo, Hernando**
companion of Coronado 14: 565.
See also Vermizzo.
- Vermejo, Rio**
crossing of, by Coronado 14: 586.
identified with Colorado Chiquito 14: 482.
- Vermifuge**, plants used as 42: 657, 668.
- Vermillion Cliff**, rock carvings on 4: 26, 29.
- Vermillion Kickapoo**, treaty with 18: 698.
- Vermillion Lake**, reservation of 18: 904.
- Vermin**
method of disposing of 46: 584.
See also Insects; and names of different insects
- Vermizzo, Hernando**
companion of Coronado 14: 556
(name given as *Ferrando V.*).
with Coronado at Cibola 14: 388.
- Vermont**
aboriginal steatite quarrying in 15: 106, 107.
design from vase from 20: 171 *sq.*
pottery from 20: 169.
turtleback caches 13: 137.
- Vernatti, Sir Philberto**, cited 30: 41.
- Vernon County, Wis.**
mounds in 5: 14, 20.
pottery from 4: 428; 20: 192.
- Vernonia**, medicinal use of 42: 658.
- Vernonia Fasciculata**, reason for increase of 33: 61.
- Vero, Fla.**, human remains of great antiquity at 38: p. 16.
- Veronica Virginica**, use of 44: 294.
- Verrazano**, —, visit to America by 19: 191.
- Vertebrae**, mention of 46: 159.
- Vertical Stripes**
in decoration 41: 242-245, 273-287.
small designs on 41: 287-300.
- Vervain**, use of 44: 294, 356.
- Verwyst, Father Chrysostom**
manuscript presented by 41: 16.
on influence of wild rice on geographic nomenclature 19: 1119.
on meaning of Ojibwa words 19: 1061.
on Ojibwa eating wild rice 19: 1085.
on the Assiniboin 19: 1055.
- Very, E.**, maskette collected by, on Wilkes's expedition 3: 118.
- Veserri or Vessiri**
oil, mention of 38: § 25
palm fruit 38: § 247.
- Vessels**
artificially shaped 2: 192.
canoe-shaped 44: 86 *sq.*
clay, for cooking 46: 581.
collection of condiment 3: 569.
earliness of, among pottery forms 20: 49.
engraved shell 2: 195.
in clay imitating shells 2: 198.
manufacture of shell 2: 194, 196.
natural shell 2: 190.
of the mound builders 2: 194, 196.
pottery, method of cooking in 41: 583-586.
pottery, practice of "killing" 41: 600.

Vessels—Continued

- pottery, restoration of 41: 593 *sqq.*
 sacred, place of deposit of 42: 186.
 use of, by Florida Indians 2: 193.
 use of, by the Moki 2: 193.
 use of, in Mexico 2: 192.
 wooden, of the Winnebago 37: 118
sq.

See also **Forms; Pottery; Uses.**

Vessiri. *See* **Vesseri.****Vests** made of skins 45: 232.**Vetancurt, Agustin de**

- Awatobi mentioned by 17: 594.
 cited on Apache commerce 9: 530.
Chronicles of, cited 13: 330.
 on Aztec customs 9: 522.
 on date of Padilla's martyrdom 14:
 401.
 on destruction of Awatobi mission
 17: 600.

Vetch, —, acknowledgment to 25:
274.**Vetch**

- use of 45: 514, 515.

See also **Beans.**

Veterinary Practices

- mention of 47: 266.

See also **Animals**; and specific names
 of animals.

Veytia, Mariano Fernandez d'Eche-
verria y

- on early Toltec migration 19: 676.
 on Mexican calendars 3: 42; 19:
 935.
 on symbols of cardinal points 3:
 47, 49, 55.

Viability among Northern Indians
11: 269.**Viburnum Acerifolium**

- medicinal constituents of 44: 305.
 medicinal properties of 44: 303.
 use of 44: 294, 344, 346.

Viburnum Berries

- feast of 35: 755.
 picking of 35: 216.
 preservation of, in oil 35: 300 *sqq.*
 preservation of, in water 35: 281–
 285.
 price of 35: 762.
 ripe, sucking of 35: 585.
 steaming of 35: 586.
 with water and oil 35: 583.

Viburnum Lentago 33: 115.**Viburnum Opulus** 33: 115.**Viburnum Pauciflorum**

- mention of 45: 487.
 use of 44: 294.

Viburnum Trilobum 45: 487.**Vicarious Trephining**, definition of
16: 18.**Viccis**, sleeping dysentery 38: § 927.**Vices**

- Omaha social 3: 364.

See also **Crimes; Social, vices.**

Viceyta, number names of 19: 882,
931.**Vicia Americana** 45: 515.**Vicia sp.**, mention of 45: 515.**Vicissi**, duck 38: § 724.**Vicksburg, Miss.**, trail to 42: 822.**Victoria**, name of a certain boat 46:
86.**Victoria Institute**, pottery in 34:
68.**Victory**

- augury of 30: 271 *sq.*
 pictographic record of 10: 557 *sq.*

Victory Dance

- description of 27: 432.
 Winnebago 37: 379–383.

Victory Songs

- example of, Omaha 27: 432 *sq.*
 of the Osage 45: 676 *sq.*

Victory Stones worn by the Scandi-
navians 13: 115.**Vicuris**, same as Picuris 29: 193.**Viejo.** *See* **Pueblo Viejo.****Viele, Capt. C. D.**, Cheyenne pursued
by 17: 211 *sq.***Vienensis Codex**, eagle symbol in 16:
251.**Vienna Museum**, West Indian objects
in 34: 50.**Vieques**, island of 25: 26, 27 *sq.*, 30,
40.**Vieux Desert Chippewa** land cessions
and reservations 18: 794, 874.**Vigesimal System**

- employment of, by Mexican and
 Mayan peoples 19: 921, 924.
 geographic extent of 19: 859, 925.
 origin and spread of 19: 926, 927,
 928.
 use of, in Mayan chronology 22, i:
 217, 234 *sqq.*

Vigil

- of the Tsi-zhu Wa-shta'-ge chief
 36: 69

Vigil—Continued

of the Wa'-tse-tsi chief 36: 70.

to send courage 39: 193 *sq.*

Vigils, Songs of the 39: 106–110.

Vigliega, horse of, killed at Cibola 14: 557.

V'-ik I'alt Ma'kai, Pima chief 26: 24.

Villa-Señor, J. A. de

mention of Kiowa by 17: 156.

on horses among the Kiowa 17: 161.

on Seri conversion 17: 76.

on Seri habitat and life 17: 70, 77.

on Seri population 17: 135*.

on Seri tribal divisions 17: 77 *sq.*

Villa Rica de la Vera Cruz, ruins near 26: xv.

Villa y Sanchez, Señor —, on slaves taken by the Pima 26: 197.

Village

deserted by inhabitants 41: 495, 553, 558.

groups, as social unit 37: 184 *sq.*

groups, present names of 37: 185.

Pueblo, method of building up 19: 644.

signs for 1: 386.

See also **Town; Villages; Walled Towns.**

Village Creek, reference to 27: 86.

Village des Picuris, Le, same as Picuris 29: 193.

Village Island, excavations at 43: 13.

Village Maker, Omaha chief 27: 100, 171 *sq.*

Village of the "Make-Belief" White Men, reference to 27: 633 *sq.*

Village Reserves, establishment of 18: 886.

Village Site Mound or tumulus 4: 287.

Village Sites

Arikara 27: 75.

character of pottery found on 20: 82.

in James Valley 15: 72.

near Clifton quarry 15: 116.

near Little Falls 15: 68, 69.

occurrence of pottery on 20: 23.

old Okanagon 45: 207 *sq.*

on the Potomac 15: 139.

Village Sites—Continued

See also **Occurrence.**

Villages

abandonment of 42: 332.

ancient, in Verde Valley 13: 192.

arrangement of Eskimo 9: 79.

changes in 46: 136.

Coeur d'Alène 45: 38 *sq.*

Colville 45: 209 *sq.*

consisting of wooden houses 31: 46.

"dead" 46: 183.

Eskimo, description of 18: 241–263.

Eskimo, location of 18: 24, 241 *sq.*, 266.

Eskimo, Lower Yukon 46: 67, 129, 132, 361.

Eskimo, provision for defense of 18: 327 *sq.*

general description of 27: 95–99.

historic 27: 99 *sqq.*

identification of sites of 27: 72 *sq.*

Indian 7: 40.

Indian, location of 19: 1117.

Indian, paper on 40: 18.

Indian, Tanana 46: 124, 125, 126.

inland 46: 182.

location of 27: 629 *sq.*

location of old 46: 182.

Maricopa 26: 20 *sqq.*

natives of the Yukon inhabiting 46: 59.

Nome, west of 46: 89.

of the Lake Indians 45: 210.

Okanagon 45: 206 *sq.*

old sites of 46: 89.

Osage map showing 36: 46.

Pima 26: 20–23.

reference to 27: 623.

Similkameen 45: 205 *sq.*

sites of, distinguishable 46: 183.

situation of, Missouri 27: 85–89.

size of 46: 182.

summer camps 46: 182.

superposition 46: 183.

term, meaning of 27: 135 *sq.*

Western Eskimo 46: 148, 176, 184.

Winnebago, division of 37: 188.

Winnebago, location of 37: 51, 77.

Winnebago, organization of 37: 188.

Winnebago, plans of 37: 188, 189.

Yukon 46: 130 *sqq.*, 134.

Zuñi 47: 475.

Villages—Continued

- See also* **Town; Village; Village Sites; Walled Towns.**
- Villagr , G.**
on Pueblo Indian marriages 14: 520.
on throwing meal by Indians 9: 510.
- Villagr , Gasper de**, Acoma visited by 47: 26.
- Villaguti re Soto Mayor, J.**, on oracle delivered to Guarionex 25: 65 sq.
- Villalobos, Ruy Lopez de**
expedition, reports of, to Council for the Indies 14: 370, 371, 373.
voyage of, across the Pacific 14: 412, 526, 539.
- Villard, Henry**, expedition due to 31: 18.
- Villard, Mrs. —**, contribution of funds by 31: 18.
- Vimont, Barth lemy**
cited 12: 618.
record of Nicollet's journey by 14: 15.
- Vi  za, Conde de**, bibliographic work of, cited 15: xxxv, lxxxviii.
- Vincennes, Lieutenant —**, burning of 19: 477.
- Vincennes, Ind.**
occurrence of salt-making vessels near 20: 28.
reservation by United States at 18: 656.
treaties of 18: 664, 666, 672, 678, 700.
- Vincente Usera**, acknowledgment to 25: 87.
- Vinci, Leonardo da**, on use of gestures 1: 292.
- Vine Maple**, use of 45: 498.
- Vining, Edward P.**, cited on mnemonic knots of Tapan ac 9: 562.
- Vioa sp.**, mention of 33: 103.
- Viol of the Guiana Indians** 38: § 372.
- Violaceae** 33: 103.
- Violet in Cherokee lore** 19: 420, 505.
- Violin**
of the Eskimo 11: 259.
of the Guiana Indians 38: § 572.

- Viper's Bugloss** in Cherokee lore 19: 426.
- V -p -s t**, designation of ancestors of Pima 28: 71.
- Virchow, Dr. R.**, mention of 46: 301, 306, 307, 309, 311, 326, 330, 331, 333, 345, 373.
- Virgin**
mother of Deganawida 48: 13.
See also **Conception; Virginit ; Virgins.**
- Virginia**
archeological work in 13: xxvi, xxviii.
chipped flints from 13: 148.
copper breastplate from 13: 116.
discoidal stone from 13: 101.
expedition from, in 1776 19: 49, 50 sq.
field work in 22, i: ix, xii.
first conflict of Cherokee with 19: 29 sq.
former residence of Tuscarora in 20: 142.
Indian policy of 18: 563-569, 630.
modern pottery of 20: 152.
mounds in 5: 10, 87.
mummies in 1: 131, 132.
nets from 13: 45.
occurrence of pottery resembling that of East Tennessee in 20: 182.
occurrence of scroll decoration in 20: 44.
petroglyphs in 10: 121 sq.
pictographs in 4: 33.
pipes of 20: 157 sq.
pottery of 20: 146, 149 sq.
production of gold in 19: 221.
relation of pottery of, to that of Northwest 20: 194.
tempering material used in 20: 48.
trail through 42: 761 sqq.
treaty with Cherokee, Creeks, and Chickasaw by 19: 63.
tribes formerly occupying 20: 142.
work in 8: xxii.
See also **Middle Atlantic; Potomac-Chesapeake; Piedmont Virginia; Virginia Indians.**
- Virginia Creeper**, mention of 33: 102.

Virginia Indians

- authorities on 42: 680.
- canoes of 42: 689.
- customs of 42: 682, 691, 692, 693, 696, 697, 698, 699, 700, 701, 703, 704, 706, 707, 708.
- dwellings of 42: 688.
- medicine tubes of 13: 127.
- method of bark-stripping of 13: 109.
- method of clearing land of 13: 72.
- tattooing among 4: 63; 10: 393; 42: 686.

See also Pamunkey Indians; Powhatan; Virginia.

Virginity

- guarding of, of a girl of high rank 33: 309.
 - precautions to insure 46: 590.
 - violation of, of captives 46: 553.
- See also* Virgin; Virgins.

Virgins

- among the Tahus 14: 514.
- pool where bathing is possible only for 33: 623, 656.
- treatment of, among Pueblo Indians 14: 522, 523.
- weather ceremonial performed by 35: 636.

See also Virgin; Virginity.

Viroqua, account of 14: 893.**Virtue**, conception of 30: 149-161, 162 sq.**Visakikitoval(t)**, exploit of 26: 44.**Vision**

- of Biānk'i 14: 910.
 - of the aged pelican 36: 84-88.
 - relation of, to touch 19: LXII sq.
- See also* Dream; Hypnotism; Trance; Visions.

Visions

- abode of 22, ii: 155, 156, 331.
- association of, with wishing 30: 301.
- beliefs concerning 11: 395, 467.
- belief in 42: 515.
- connected with societies 27: 459, 489 sq., 565.
- in myths 40: 37.
- invocation of 22, ii: 117-122, 317-320, 337.
- Kiowa ideas regarding 17: 237.
- Pawnee beliefs concerning 22, ii: 119, 318.

Visions—Continued

- representation of 27: 353.
- restrictions on 30: 292, 298-302, 311.
- significance of 27: 130-133, 486, 487, 488, 591.

See also Eyes; Vision; and references.

Visiting

- customs connected with, Omaha 3: 276-282.
- intertribal 42: 735.

Visitors

- arrival of, sign of 35: 605; 38: § 805.
- ceremonial reception to 42: 575 sq.
- invitation to 35: 847, 867, 879, 883.
- mention of 31: 437 sq.; 35: 852.
- omen of 30: 271, 275 sqq.
- string figure of 38: § 654.
- treatment of 42: 703.

See also Guest; Salutations.

Visitor's Dance of relating exploits, Omaha 3: 352.**Visitor's Day**, observance of 42: 554.**Vismia Guianensis**, gum 38: § 23.**Visnaga**

- absence of, from Seriland 17: 207* sq.
- occurrence of, in Sonoran province 17: 34.

Visor

- appearance of, in pictures of Hopi kateinas 21: 95, 97, 98, 102, 103.
- of the Eskimo 18: 167-170.

Vitaceae 33: 102.**Vítápātúi**, a Kiowa synonym 17: 149.**Vitis Cinerea**, mention of 33: 102.**Vitis Cordifolia**, use of 44: 294, 307, 362, 364.**Vitis** sp., a source of water supply 38: § 254.**Vitis Vulpina**, mention of 33: 102.**Vitrification**

- rarity of, in aboriginal American pottery 20: 52, 84.

See also Glaze.

Viu, Alejandro, acknowledgment to 25: 235, 251.**Vocable**, definition of 20: CXLIX.**Vocables**

- classification of 17: 298*.

Vocables—Continued

evolution of 20: CLIII-CLVII.

Seri and Yuman, comparative discussion of 17: 297*-344*.

Vocabularies, American, in archives of the Bureau 21: XXIII.

Vocabulary

Menomini 14: 294-328.

Menomini, reference to 14: LIV.

of Tusayan architectural terms 8: 220-223.

Omaha 27: 103-112, 113.

Pima 26: 269 sq.

recorded by Denig 46: 382 sq.

Seri 17: 95 sq., 97 sqq., 296*, 299*.

See also Dictionary; Glossary; Language.

Vocalic Mutation in language, process of 1: 5.

Vochisia Tetraphylla. *See* Iteballi.

Vogel, Henry, mounds on land of 12: 143.

Voice

and speech, pictographically illustrated 10: 717 sqq.

part played by, in development of music 19: LXXI sq.

Volcanic Eruptions, Eskimo tradition of 18: 449 sq.

Volcanic Glass, arrowheads of, from the Nantacks 22, i: 183.

Volcanic Rock, adaptability of, for pecking 15: 96.

Volcanoes, record of, in the Carolina Mountains 19: 471.

Volk, Ernst

exploration of Pocatquising Creek sites by 20: 176.

on occupation of Delaware Valley 20: 178.

Volusia, Fla., painted vessels from near 20: 125.

Volute

significance of 20: 100.

use of, in decoration, Lower Mississippi Valley pottery 20: 103.

use of, in decoration, Middle Mississippi Valley pottery 20: 88, 93, 94.

See also Whorl Designs.

Vomiting

as ceremonial act 25: 67.

belief concerning 47: 132.

Vomiting—Continued

induced, practice of 30: 53, 63, 295, 351.

See also Emesis.

Vomiting Bean, mention of 35: 812.

Vomiting Sticks of the Antilleans 25: 193.

Von Bayer, H.

drawings of Seri balsa by 17: 106, 219.

photograph of Seri archery posture by 17: 106, 200* sqq.

Von den Steinen, —, illustrations made by 34: 128, 137.

Von den Steinen, Prof. Karl

cited 30: 149, 225.

President of the International Congress of Americanists 26: XI.

Von Linden, —, International Congress of Americanists received by 26: XI.

Von Martius, —, cited 30: 290, 362, 368.

Von Strahlenberg, —, on pictographs in Liberia 4: 245, 246.

Voorhees, D. W., counsel for the Cherokee 5: 345.

Vo'pohiûm

Pima village 26: 23.

See also Santan.

Votan

day symbol, discussion of 16: 221.

significance of 16: 221.

Voth, Rev. H. R.

acknowledgments to 14: 655; 24: 29.

decorated bowl collected by 17: 665.

material collected by 24: 56, 160, 359, 360, 401, 425, 428, 437, 445, 496, 532, 620, 666, 678, 751, 758, 795.

on ancient pottery from Oraibi 17: 607.

on ball race, Hopi 24: 666, 678.

on ceremonial arrows, Hopi 24: 426.

on Cheyenne sacred paint 14: 1029.

on dice game, Hopi 24: 160, 161.

on European games, Hopi 24: 795.

on figurative use of shell 14: 1001.

Voth, Rev. H. R.—Continued

- on hidden ball, Hopi 24: 360 *sq.*
- on hoop and pole, Hopi 24: 425, 496 *sq.*
- on ring and pin, Cheyenne 24: 532.
- on snow-snake, Cheyenne 24: 401.
- on top spinning, Hopi 24: 743.
- Oraibi rites studied by 16: 290, 296

Voting, qualifications for 47: 251.

Vowels, Algonquian, elimination of 28: 284.

Vows, making of 47: 282.

Vroman, A. C., mention of 21: x.

Vsacus, same as Acoma 29: 543.

Vuich, significance of 16: 228.

Vulture

- carion crow governor 38: § 601.
- disease caused by, Pima 26: 263.
- in Pima mythology 26: 211, 225, 228 *sq.*, 234, 248, 339.
- in Pima song 26: 282, 295, 337.
- legends concerning 30: 206 *sqq.*, 212, 343 *sqq.*, 371.
- representation of, Florida Peninsula pottery 20: 123.
- representation of, Middle Mississippi Valley pottery 20: 94, 95.
- spirit incarnated in 30: 175.
- See also* **Red People**.

W

Wa-ai'-h, a Comanche band 14: 1045.

Waawaaikinaaupo 33: 663.

Wa'baḡka

- story of 27: 211, 406 *sqq.*
- war pack of 27: 434.

Wabanaki Group

- culture of 43: 221 *sq.*
- present status of 43: 169.
- relation of, with southern New England tribes 43: 216.
- treaty of, with the English 43: 175.
- tribes of 43: 221.
- See also* **Abnaki**

Wabash River

- cession of reserves made by treaty of 18: 152.
- mention of 42: 44.
- trail to settlements on 42: 805.
- treaties of 18: 752, 772-776.

Wabashaw's Tribe, land cessions and reservations by 18: 760.

Wâbeno or Wabeno

class of shamans, relative importance of 7: 156.

practices of 7: 156 *sq.*

shamans of the Menomini 14: 62, 66, 151-157.

Wâbeno Mitamu, genealogy of 14: 60.

Wabosso in Menomini myth 14: 207.

Wa-ḡa'be, a tribal division 39: 83, 205.

Wa-ḡa'be Gens

keepers of the Mystic House 39: 218.

mention of 27: 47; 39: 68, 77, 213.

office belonging to 39: 92.

personal names of 43: 133, 135.

Ponca, mention of 27: 41, 42, 47, 48, 52 *sq.*

symbol of 39: 50.

wi'-gi-e belonging to 39: 46, 154.

See also names of subgentes.

Waḡa'be Itazhi Subgens, Tha'tada

account of 27: 141, 160, 161, 162 *sqq.*, 486 *sq.*

rites of 27: 142 *sq.*, 159.

Wa-ḡa'be-ṭon Gens

life symbol of 36: 105.

wi'-gi-e of 36: 105 *sqq.*, 219-237.

Waḡa'bezhinga, story of 27: 50.

Wacaquon, Menomini treaty commissioner 14: 21.

Wachaet land cessions and reservations 18: 782.

Wachesa Trail

mention of 19: 87.

See also **Unicoi Turnpike**.

Wacicka Dance, mention of the 3: 342.

Wacksache land cessions and reservations 18: 892.

Waco

a Wichita subdivision 14: 1095.

population of the 7: 62.

Wadanem, leader of Sparrow society 35: 728.

Waddell, Hugh, treaty of 1756 with Cherokee and Catawba negotiated by 5: 145.

Wadi'yāhī', death of 19: 179.

Wadkin's Ferry on Potomac, trail through 42: 760, 761.

Wadleigh, F. A., mention of 41: 27.

Wa'-doⁿ-be

fees given to 39: 181 *sq.*

honors accorded to 39: 182.

military honors of 39: 67 *sq.*

office of 39: 67.

songs referring to 39: 147 *sq.*

valorous deeds recounted by 39: 172.

Wadsworth, Calif., reference to 28: 47.

Waeide

high god of Isleta 47: 341.

offerings to 47: 210, 276, 299.

Wae'gaxthoⁿ. *See* Buffalo Hunt, Annual.

Wafer Bread

appearance of, in pictures of Hopi kateinas 21: 83.

making, passing of 47: 209, 212.

Wafford, Colonel —, establishment of Wafford's settlement by 19: 238.

Wafford, James D.

Cherokee story-teller 19: 237 *sq.*

compilation of Cherokee spelling book by 19: 108.

myths told by 19: 430, 431, 435, 438, 440, 444, 448-452, 454, 455, 461, 463, 466, 468, 471, 474 *sqq.*, 482, 501.

on assassination of John Walker 19: 121.

on battle of Tali'wa 19: 385.

on Cherokee relations with Catawba 19: 381.

on Cherokee relations with Creeks 19: 89.

on discovery of gold in Cherokee country 19: 116.

on Iroquois peace embassy 19: 353-356, 485.

on Mexican grant to Cherokee 19: 143.

on myth concerning Tocwa 19: 418.

on Natchez among Cherokee 19: 357.

on Osage-Cherokee troubles 19: 137.

on patent to Texas lands 19: 146.

on Removal 19: 131.

on Sequoya's birth date 19: 109.

on Shawano prophet among Cherokee 14: 676.

on Shawano wars 19: 494.

Wafford, James D.—Continued

on spinning wheel among Cherokee 19: 214.

on war women 19: 419.

on White-Path's rebellion 19: 114.

on wolf-killer 19: 448.

on Rev. S. A. Worcester 19: 108.

Wafford's Settlement

cession of land at 18: 666.

mention of 5: 186, 187.

sale of 19: 85.

Wagers laid on games 42: 707.

Wagigō'. *See* War-bundle Feast.

Wagon, sign for 1: 322.

Wahanui 33: 625, 643.

Waha'xi, story of 27: 495, 496.

Wahcclallah, a Kwikálkt synonym 14: 741.

Wah-he' Muzza, an Assiniboin chief 46: 395.

Wahikwinema, description of 21: 30

Wahkpakotoan, habitat of 7: 111.

Wahnenauhi Manuscript

on Cherokee myths 19: 284, 297, 431, 469, 475, 501.

on introduction of spinning wheel 19: 214.

Wahowpum, a Hāhau'pūm synonym 14: 739.

Wahpacoota, a Sioux division 14: 1058.

Wahpekuta Sioux. *See* Sioux, *Wahpekuta*.

Wahpeton

a Sioux division 14: 1058.

account of the 15: 216.

definition and habitat of the 15: 160.

See also Dakota, *Wahpeton*.

Wahpeton and Sisseton Sioux, inhumation among 1: 107-110.

Wahpeton Sioux. *See* Sioux, *Wahpeton*.

Wahuhu. *See* Sally Wahuhu.

Waiām, sketch of the 14: 741.

Waiām-lēma, a Waiām synonym 14: 741.

Waidepacan land cessions and reservations 18: 784.

Waiictu, the present cacique 47: 44.

Wailatpuan Family, mention of 7: 127 *sq.*

Waikarapa Basket 38: § 413, 414.

- Waikuri Language**, classification of 17: 300*, 343* *sq.*
- Wail of L!äl!aqöl**, a Nāk!wax'da'xu woman 35: 885-891.
- Wail of L!äl!eqwasila**, a Gwa'sela woman 35: 836-885.
- Wailaki**. *See* Round Valley Reserve; Ylacca.
- Wailakki**
habitat of 7: 54.
relationship of, to Kulanapan tribes 7: 88.
- Wailatpuan** and Shahaptian affinity 15: XLV, XLIX, LIII, LXXXIV.
- Wai'lětma**, a Cayuse synonym 14: 743, 744.
- Wailě'tpu**, a Cayuse synonym 14: 743.
- Wailing**
as a ceremony 39: 54, 244.
for the dead 33: 312, 321.
object of 45: 614.
- Wailing Ceremony** 45: 715 *sq.*
- Wailing Songs**
mention of 45: 715 *sq.*
reference to 40: 358, 421.
- Wai'r'**. *See* Robe.
- Wai'r'waxube**
account of 27: 213, 404 *sq.*
See also Packs of War, Sacred.
- Wainwright**, mention of 46: 105, 112, 208.
- Waiopuka** 33: 338.
- Waip-shwa**. *See* Smohalla.
- Wait**, signs for 1: 291, 299.
- Waiyari**, knapsack 38: § 450.
- Wajage**, a division of the Ponca 37: 181.
- Wajapa**, assistance rendered by 33: 46.
- Waje'pa**
acknowledgment to 27: 631.
See also Wa'thisnade.
- Wakac**
derivation of 21: 126.
description of 21: 113.
- Wakaina** 33: 662.
- Wakan**, description of concept of 11: 494.
- Wa-kaⁿ-da or Wakanda**
definition of 11: 366, 431; 15: 182 *sq.*
of the Siouan Indians 15: xcix.
worship of 11: 372.
See also Wakoⁿ'da.
- Wakanta**, the sun a 11: 423.
- Wakarad**, a generic name for baskets 38: § 413, 414.
- Wakash**, habitat of the 7: 129.
- Wakashan Indians**, pictographs by the 10: 215.
- Wakashan Languages**
bibliography of 13: xli; 14: xliii; 15: xl, xli, xlv, xlvi, xlix, liv, lxii, lxv.
family of, mention of 7: 128-131.
- Wakashan Stock**
implements employed in stick games by 24: 227.
tribes of the 24:
Bellabella 263.
Clayoquot 196, 319, 558.
Hesquiaht 718, 748.
Kwakiutl 196, 263, 319, 370, 519, 559, 718, 725, 760, 784.
Makah 197, 263, 321, 395, 522, 559, 643, 718, 748, 761, 776.
Nimkish 719.
Nootka 198, 322, 523, 749.
Opitchesaht 719, 731.
- Wake**
description of 37: 140-146.
origin of, myth of 37: 154 *sq.*
- Wake Game**, a Seneca hidden ball game 24: 350 *sq.*
- Wakea and Papa** 33: 300, 314, 619, 634, 635, 652.
- Wakefield, Jeanne**, work of 29: 24.
- Wake-robin**, use of 44: 294, 362.
- Wa-ke'-stse Gens**
life symbol of 36: 93.
silent during ceremony 36: 94.
- Wa-ke'-the-dse Gens**, office of 39: 93.
- Waki'dezhinga**
information from 27: 567.
ritual used by 27: 571.
- Waki'yanⁿ**, Siouan belief in 11: 441.
- Waklarok**, mention of 46: 198.
- Wakokai**, a White town 42: 254.
- Wakoⁿ'da or Wa-koⁿ'-da; Wakoñda**
approach to, through life symbols 36: 61.
assurance of, as to buffalo 27: 286, 295, 296.
belief in 39: 67.
belief in power of 36: 182.
dependence upon 36: 49.
explanation of 36: 48; 43: 30.

Wakoⁿ'da or Wa-koⁿ'-da; Wakoñ-da—Continued

- food offerings to 27: 335 sq.
- general account of 27: 597 sqq.
- in Hethu'shka 27: 465, 466.
- in origin of Noⁿ'zhiⁿzhoⁿ rite 27: 128 sq.
- in Pebble society ritual 27: 570, 571.
- in Ponca legend 27: 49.
- Omaha conception of 27: 128 sq., 130, 133, 134, 589.
- origin of name 45: 530.
- power of 39: 310.
- prayer to, on annual buffalo hunt 27: 281.
- references to 27: 143, 160, 208, 209, 212, 239, 240, 241, 278, 415, 445, 486, 560 sq., 582, 608, 634 sq.
- supplications to 39: 41, 42, 58, 107, 109, 111-114, 188.
- the Creator 39: 38; 46: 414.
- the supernatural power 46: 486, 487 sq.

See also God; Wa-kaⁿ-da.

Wakoⁿ'monthiⁿ

- account of 27: 283 sq.
- songs obtained from 27: 249 sq.

Wakoⁿ'ta Inikashiha Group, Quapaw 27: 68.**Wala**

- masking of kateinas at 21: 52.
- shrine of 21: 33.

Wala Kālgi, a Creek clan 42: 116, 119.**Walam Olum.** *See* Walum Olum.**Walapa, mention of** 36: 208.**Walapai**

- ancestors of 28: 185, 216, 220.
- and Havasupai affinity 13: 224.
- derivation of Tsobuci from 21: 85.
- effect of, on Pueblo tribes 13: 260.
- games of the 24:
 - dice games 207.
 - hidden ball 371 sq.
 - hoop and pole 525 sq.
 - shinny 616, 645 sq.
- Ghost dance among the 14: 785, 786, 805, 814, 921.
- in Pima mythology 26: 215.
- land cessions and reservations 18: 910, 922.
- population of the 7: 138.
- stone implements of the 14: 256, 283.
- tradition of cavate lodges 13: 225.

‘wālas Kwāg-ul 35: 815.**Wâlâ'si Frog, position of, in council** 19: 231.**Walawaltz, a Wallawalla synonym** 14: 744.**Walch, Johanes**

- on Jacoma 29: 330.
- on Taos 29: 182.

Walcott, Hon. C. D., acknowledgment to 18: xxxi, xxxiii.**Walcott, Dr. Charles D.**

- collection received from 41: 73.
- letter of transmittal to 34: 2.
- report of F. W. Hodge to 34: 32.

Waldeck, —

- mention of 1: 210, 243.
- on mounds 3: 104.

Waldron, —, masks on Northwest coast collected by 3: 109.**Wales, Samuel A., instructed by Governor Forsyth to establish Cherokee boundary line** 5: 269.**Wales**

- archeology of 46: 32, 88, 93, 166, 173, 197.
- Eskimo 46: 227.
- fossil ivory culture of 46: 174.
- mention of 46: 176, 197, 201, 202.
- trade of, aboriginal, with Kotzebue 46: 89.
- trip to 46: 30, 93, 117, 121.

Wales Crania

- dental arch 46: 276.
- facial 46: 266.
- mention of 46: 257, 260, 262, 263.
- nose 46: 268, 270.
- orbits 46: 271-274.

Walhalla Plateau, reconnaissance in 39: 21 sq.**Walhonding, flint quarrying near** 44: 510 sqq.**Wali**

- Apalachicola war captain 42: 34.
- name interpreted 42: 34.

Walishi, knapsack 38: § 450.**Walk, Western Eskimo** 46: 249.**Walker, —, leader of pioneer advance** 19: 45.**Walker, Amos, assistance rendered by** 33: 46.**Walker, Charles, elected elder of Shaker church** 14: 758.**Walker, E. P., mention of** 46: 172, 181, 184 sq.

- Walker, Felix**, employment of W. H. Thomas in store of 19: 160.
- Walker, Frank**, interpreter for Father Haile 24: 97.
- Walker, Henry**, cure of, by Shakers 14: 754.
- Walker, James**, elected elder of Shaker church 14: 758.
- Walker, Jim**, mention of 46: 31, 64.
- Walker, John (1)**, assassination of 19: 121.
- Walker, John (2)**
agent for Pima 26: 33, 49.
on Papago salt traffic 26: 94.
Pima petition for arms noted by 26: 51.
Pima tradition furnished by 26: 25.
- Walker, John (3)**, second chief of Alabama 42: 193.
- Walker, Maj. John**, part taken by, in Creek war 19: 97.
- Walker, J. D.**
Pima legend from 28: 45.
Pima mythological tale told by 26: 221.
Pima vocabulary by 26: 269.
reference to 28: 71.
- Walker, Dr. J. R.**
material collected by 24: 392, 417.
on archery, Teton Dakota 24: 392.
on hoop, Teton Dakota 24: 736.
on hoop and pole, Teton Dakota 24: 508.
on popgun, Teton Dakota 24: 759.
on ring and pin, Teton Dakota 24: 557.
on shinny, Teton Dakota 24: 638.
on shuffleboard, Teton Dakota 24: 728.
on snow-snake, Oglala Dakota 24: 415 sq., 417, 418.
suggestion of, concerning name of wild rice 33: 56.
- Walker, J. W.**, on use of chisels on steatite working 13: 72.
- Walker, Miss Mary P.**, banner stones found in farm of 42: 776.
- Walker, Philip**
acknowledgment to 17: 147.
on Kiowa Apache village of La Harpe 17: 251.
- Walker, S. T.**, on Florida mounds 3: xxiv.
- Walker, Dr. Thomas**
cited 42: 741.
explorations by 19: 38 sq.
- Walker, Winslow M.**
appointment of 48: 14, 21.
work of 48: 14.
- Walker Creek**, travel on 42: 753.
- Walker Lake, Nev.**
petroglyphs near 10: 93.
rock carvings near 4: 24.
- Walker River**, establishment of reserve at 18: 872.
- Walker's Butte**, reference to 28: 36.
- Walking-above**. See Mamä'nte.
- Walking-Priest**, conversion of 37: 392.
- Wall, J. Sutton**
on pictographs in Pennsylvania 4: 20 sq., 225.
pictographs copied by 10: 111.
pictographs described by 10: 110, 111.
- Wallaba, Eperua sp.**
as an emetic 38: § 920.
gum of 38: § 23.
juice of bark of, for hammock staining 37: § 478.
plaster of gum of, for wounds 38: § 929.
- Wallbridge, T. C.**, mounds described by, Canada 12: 544.
- Wallace, Capt—**, killed at Wounded Knee 14: 871.
- Wallace, A. R.**
cited 30: 118, 139, 157, 258, 270, 291, 295, 297, 311, 315, 320, 322, 325, 341, 367, 368, 369.
on Amazons 30: 365.
on Jurupari music 30: 138.
- Wallace, C. M.**, archeologic collections of 15: 18, 72.
- Wallace, Gov. Lew**, settlement named for 29: 452.
- Wallace, Susan E.**
on Laguna 29: 541.
on Pojoaque 29: 335.
on Quivira 29: 566.
on Santo Domingo 29: 448, 449.
- Wallawalla**
and Cayuse intermarriage 14: 744.
caps worn by the 41: 354.
Flathead name for the 45: 301.
habitat of the, about 1892 14: 805.

Wallawalla—Continued

- land cessions and reservations 18: 804, 808, 838, 908, 918, 928.
- mention of the 41: 136.
- myth of the 19: 448.
- name of, in sign language 45: 147.
- opinion of land assignments 14: 710.
- population of the 7: 107.
- sketch of the 14: 744.
- war of, with the Whites 45: 368.

Walled Towns

- of the Southern Indians 41: 550 *sq.*
- remains of 41: 89 *sq.*, 495.
- water supply of 41: 552.
- See also Towns; Walls.*

Wallen, —, leader of pioneer advance 19: 45.

Wallenpaupack River, vessel from Falls River 20: 166.

Wallets

- designs on 41: 359 *sq.*
- of the Eskimo 9: 86.
- ornamentation of 41: 355.
- use of 45: 54.
- weaving of 41: 139.

Wallowa Valley Reserve

- discontinuance of 18: 882.
- establishment of 18: 864.

Walls

- ancient Pueblo, method of building 13: 248.
- construction of 41: 490, 496, 502 *sq.*, 560, 568, 570.
- construction of, in Moen-kopi ruins 8: 53.
- copings of 8: 139, 151, 152.
- curved, in ancient ruins 13: 202, 346.
- curved, instances of 8: 54.
- defensive, at Bat House 8: 52.
- defensive, in Verde ruins 13: 202, 203.
- dimensions in Tâaaiyalana mesa 8: 90.
- finish of, in cliff ruins 16: 107, 113, 116, 124.
- how indicated on plans of ruins 8: 45.
- massive, in Verde ruins 13: 199.
- of Casa Grande 13: 308, 309, 313.
- of Casa Grande, construction of 28: 80 *sq.*, 82, 83 *sq.*, 95 *sq.*, 97, 102, 106 *sq.*, 116.

Walls—Continued

- of fortified towns 41: 550 *sq.*
- of gardens 8: 215.
- of Gordon town 41: 495, 549 *sq.*
- of Honanki, description of 17: 559.
- of Palatki ruin 17: 557.
- original length of, indicated by débris 8: 90.
- paintings on, in Tusayan kiva 8: 131.
- perforation of, Florida Peninsula pottery 20: 119 *sq.*, 124, 125.
- perforation of, Gulf Coast pottery 20: 106, 108, 109, 111, 112.
- Pueblo, mode of construction of 8: 127-148.
- retaining, in Canyon de Chelly 16: 172.
- showing precision of workmanship 8: 54.
- strength of 8: 144.
- thickness of 20:
 - Eastern United States pottery 60 *sq.*
 - Eastern United States salt-making vessels 28.
 - Florida Peninsula pottery 117, 121, 126.
 - Gulf Coast pottery 106.
 - Iroquoian pottery 165.
 - Middle Atlantic Coast pottery 148, 153, 155.
 - Middle Mississippi Valley pottery 83, 97.
 - New Jersey-New England pottery 175.
 - Northwestern pottery 192, 197, 200.
- thickness of, in modern Tusayan 8: 102.
- weakness of, in Zuni 8: 182.
- See also Masonry.*

Walnut Canyon

- cliff houses in 17: 532.
- ruins in 5: xxiv.

Walnut Creek Region

- absence of large compounds in 28: 218.
- early inhabitants of 28: 206, 216-219.
- habitations of aborigines of 28: 209.
- irrigation works in 28: 214.
- pictographs in 28: 214, 216.

Walnut Creek Region—Continued

- pottery of 28: 220.
- ruins of 28:
 - age of 219 *sq.*
 - description of 187, 209.
 - history of 206-211.
 - references to 22, 194, 195, 216.

Walnuts

- black, mention of 33: 74.
- in Cherokee lore 19: 422.
- wild, found by Coronado 14: 507.

Walpi

- abandoned by Bear, Lizard, Asa and Badger peoples 8: 31.
- advent of Patuñ clans at 19: 595.
- ancient pottery of 17: 660.
- and Oraibi Snake dance, comparison of 16: 295.
- Antelope altar at 19: 980.
- bird gods personated by 21: 29.
- building of, by advent of numerous clans 19: 585 *sq.*
- causes of removal from 19: 580 *sq.*
- character of Snake ceremony at 16: 274.
- chiefs of, belonging to Patki clan 22, i: 24.
- child-flogging at 21: 39, 69.
- chronologic sequence of advent of clans at 19: 585 *sq.*
- comparison of, with other villages 17: 642.
- component clans of 19: 582 *sq.*
- construction of, by the Snake people 8: 23.
- cooking pit at 8: 176, 177.
- corn planting in Teivato kiva of 21: 52.
- court-surrounded kiva of 8: 114.
- date of founding modern 19: 587.
- departure of kateinas from 21: 57.
- derivation of kateinas in 21: 125, 126.
- description of 8: 63-66.
- East Mesa Natacka masks in 21: 70.
- Flute ceremony at, in 1896 19: 1000-1005.
- Flute ceremony at, reference to 22, i: 18.
- former location of 16: 93.
- former sites of 17: 585, 635.
- frightening of children by Soyok wüqti at 21: 39.

Walpi—Continued

- gradual desertion of 17: 586.
- Hopi settlement, references to 28: 35, 48, 142, 159 *sq.*
- in 1540 17: 578.
- in 1782 17: 579.
- introduction of Sio from Zuñi into 21: 112.
- kivas of 8: 119, 136.
- location and settlement of, in Hopi country 19: 579.
- model of 6: XLVII; 13: XXXVIII.
- origin of name 15: 279; 17: 585.
- Pakab clans of, introduction of Tcanaû by 21: 54.
- Pakab clans of, mask of Citoto kept by 21: 95.
- Pakab clans of, mask of Sabi kept by 21: 95.
- Pakab clans of, mask of Tanik kept by 21: 95.
- Pakab clans of, mask of Turkwinû kept by 21: 95.
- participation of, in Pamürti 21: 27.
- personators in Palülüköñti festival from 21: 48.
- planting of beans at 21: 31.
- plaza of public dance of Añya kateinas in 21: 54.
- population of, by clans 19: 614.
- Powamû festival at 21: 31.
- pueblo, origin and culture of 19: 633.
- religious societies at 19: 622-630.
- ritual 19: 631 *sq.*
- serpent effigies made by, in 1900 21: 51.
- serpent effigies owned by 21: 51.
- settlement of Bear people at 8: 21, 27.
- settlement of the Asa at 8: 30, 31.
- similarity of mask of Bear family of, to that of Ke Towa Bisena 21: 112.
- Snake dance at, in 1891, 1893, reference to 19: 964.
- Snake dance at, in 1897 19: 976-985.
- south passageway of, description of 8: 181.
- southern origin of clans of 17: 529.
- Spanish mission established at 8: 22.

Walpi—Continued

- Sumaikoli and Kawikoli masks in 21: 96.
 Sumaikoli summer ceremony at 21: 57.
 symbolic types of art in, study of 22, i: xvii sq.
 upper story partitions of, supported by beams 8: 144.
 use of large stone blocks in garden walls of 8: 147.
 variant at Coto at 21: 89.
 visitation of Ahül to houses in 21: 34.
See also Walpi Katcinas; etc.
- Walpi Katcinas**, derivation of, from Awatobi 21: 74.
- Walpi Men**, Sowiñwü kadcina not recently personated by 21: 104.
- Walpi, Old**, sites of 19: 580 sq.
- Walpi People**
 attack of Awatobi by the 8: 34.
 destruction of Sikyatki by the 8: 115.
 dispute of, with the Sikyatki 8: 24.
 fight between the Oraibi and 8: 35.
 trouble between the Hano and 8: 37.
 various pueblos formerly occupied by the 8: 46, 47.
- Walrus**
 Eskimo clothing made from stomachs of 18: 42.
 Eskimo floats made from bladders and stomach of 18: 141.
 Eskimo method of hunting and trapping 9: 272; 18: 126, 166.
 ivory, worked by the Eskimo 46: 84, 117, 121.
 leather made from gullets of 18: 117.
 mention of 46: 104, 106.
See also Walrus Hide.
- Walrus Dog**, Eskimo mythic monster 18: 442 sq.
- Walrus Hide**
 Eskimo clothing made of 18: 49.
 Eskimo house fittings made of 18: 255, 258.
 Eskimo method of dressing 18: 116.
 Eskimo method of making cord from 18: 110.
 Eskimo transportation apparatus made from 18: 209, 216, 217.

- Walrus Spears** of the Eskimo 18: 137, 140.
- Walrus Tusk**. *See Ivory*.
- Walter, Paul A. F.** *See Frost and Walter*.
- Walter, S. T.**, statements about Florida mounds of, quoted 12: 647, 673.
- Walther, Henry**
 assistant to illustrator 32: 31; 33: 35.
 death of 33: 35.
 pottery repaired by 17: 682.
 work of 15: XXI, XXV, XXVIII, LXXV; 16: XXII; 18: XLIX; 25: XXII; 26: XXX; 27: 12; 28: 21; 29: 23; 30: 23.
- Walthill**, account of 27: 624 sq., 642.
- Walton**, —, on phallicism in West Indies 25: 100.
- Walton, Captain** —, road built by 42: 835, 836.
- Walton, George**, commissioner to treat with Cherokee 5: 174, 176.
- Walton, William**, mention of 42: 836.
- Walton, W. B.**, information furnished by 42: 836.
- Walton Road**
 route of 42: 835 sq.
 traffic over 42: 836 sq.
- Walton's Camp**, collection from 20: 108.
- Walu'la-pûm**, a Wallawalla band 14: 744.
- Walum Olum**
 Assiniboin position in 15: 190.
 chronological record of Delawares 26: 34.
 nature and history of 19: 190, 229.
 of the Delawares 17: 142.
 on Cherokee migrations 19: 18 sq., 191.
 on name Tallige'wi 19: 184 sq.
 on the Lenape and their legends 4: 84, 158, 188, 207.
 reference to 42: 34.
- Wammus**
 Seri, characters of 17: 225*.
 Seri, origin of 17: 232*.
- Wampang**, the first one in foot races 38: § 591.

Wampum

- antiquity of use of, as currency 2: 234.
- as currency 2: 234; 44: 246.
- beads, symbolism of, studied by J. N. B. Hewitt 47: 7.
- derivation of the word 2: 238.
- disgorging of 32: 97, 132, 140, 143, 186, 208, 210, 226, 227, 263, 265, 320, 408, 516, 755.
- exchange of, for prisoners 14: 17.
- failure to produce 32: 265.
- forms and uses of 10: 228-231.
- in costumes 2: 232, 234.
- Indian use of 19: 354, 488, 494.
- introduction of 42: 685.
- Iroquois 19: 354.
- Iroquois myth of origin of 2: 64, 78.
- literature of 2: 241, 248.
- making of 2: 226, 236; 32: 216; 42: 721 *sq.*
- making of, by whites 2: 238.
- mention of 32: 158, 159.
- mnemonic use of 2: 240, 254.
- modern use of 2: 239, 252.
- myth concerning 43: 196.
- origin of mnemonic use of 2: 240.
- significance of colors in 10: 229, 230.
- symbolic uses of 2: 241, 248.
- unsuccessful attempt at disgorging 32: 142.
- use and abuse of 42: 724.
- use of, as peace credentials 32: 429.
- use of, in strings 2: 243, 248.
- use of, in treaties and councils 2: 242; 10: 231.
- use of, on Pacific Coast 2: 239.
- varieties of beads used as 2: 247.
- See also* **Wampum Belt**.

Wampum Beads. *See* **Wampum**.**Wampum Belt**

- false, used to bribe guards 32: 507.
- mention of 4: 86 *sq.*
- significance of 14: 662, 685.
- use of, at peace conference 43: 455.
- See also* **Belts of Wampum; Wampum**.

"Wampum Belt, He who Seeks the,"
or Hiawatha 2: 54, 64.**Wampum Sash**, sign of marriage 32: 87.**Wana'ghi wa'chipi**, Sioux name of Ghost dance 14: 791.**Wanagi**, description of 11: 484.**Wa'napum**

- and Pā'lus affinity 13: 735.
- incorporation of Chāmna'pum with 14: 739.
- note of the 14: 716.
- sketch of the 14: 735.

Wandering Iksa, story of 44: 203.**Wands**

- ceremonial, of the Eskimo 18: 415 *sq.*
- use of, in Sioux ceremony 14: 823.
- use of, in Tusayan ceremony 15: 269, 270.

Wannisemo-i, bamboo flute 38: § 561.**Wannuck** land cessions and reservations 18: 784.**Wanon'ge**, meaning of the term 27: 271.**Wanon'kuge**, Omaha warrior 27: 101.**Wanon'kuge Shkon'tha i thon'**, battle at 27: 101.**Wanon'she.** *See* **Soldiers**.**Wa-non-she-zhin-ga**, information furnished by 42: 14.**Wanon'xe**, significance of the term 27: 597.**Wanon'xe Ithaethe Society**, description of 27: 489 *sq.***Wansimai**, a decoction of roots for eye complaints 38: § 927.**Want**, sign for 1: 344.**Wanuet**, mention of 41: 136.**Wanukige**, mystery decoration of 11: 395.**Wanwauai**, application of the name 14: 742.**Wapaghkonetta**

- grant of land at 18: 686.
- treaty of 18: 732.

Wapaka River, Menomini name of 14: 199.**Wapakoneta**, an Indian settlement in Ohio 14: 672.**Wa'pamētānt**, a Sahaptin synonym 14: 744.**Wapello County, Iowa**, mounds in 5: 33.

Wapisiana Indian

- belief of, as to deity 30: 166.
- belief of, as to spirits 30: 172, 174.
- couvade among the 30: 322.
- customs of the 30: 254, 322.
- food of the 30: 296.

Waponseh, reservation for 18: 738.**Wappinger**

- association of, with Delawares 19: 497.
- fate of 19: 497 sq.
- separation of, from Delawares 19: 19.

Wappinger Confederation, extent of 43: 209.**Wappinger-Mattabesec Dialects**, extent of 43: 214.**Waptai'lmin**, a Yä'kîmâ synonym 14: 737.**Waqpe-kute**

- a Sioux division 14: 1058.
- account of the 15: 216.

Waqpe-toⁿ-waⁿ or Waqpetoñwañ

- a Sioux division 14: 1058.

See also **Wahpeton**.

Waqui'si, native name of Ugly-Face-Woman 14: 962.**Wa'quithi**, an Arapaho division 14: 957.**War**

- a means of advancement 46: 525.
- against the Sanetch 35: 1363-1380.
- among the Eskimo 18: 327-330.
- and chase, collection of implements of 3: 581.
- and warfare 38: p. 578-601 (Ch. XXVIII).
- as a means of social advancement 42: 366, 405, 406, 424.
- authority for initiation of 36: 66.
- between the Haida and the Gi-sha-x-lâts, mythical version of 31: 380-392.
- between the Tsimshian and the Tlingit, mythical version of 31: 370-380.
- between the Yukon Eskimo and Magemut 18: 328.
- bodies of enemies slain in, thrown away 31: 411.
- canoes, preparation of 35: 1369.
- causes of 42: 405, 407.
- ceremonial connected with 11: 390, 444, 493.

War—Continued

- ceremonies connected with 45: 389.
- challenge to 32: 315.
- civil, prevented by chiefs 42: 321.
- council 35: 1364.
- customs connected with 36: 49; 39: 41, 58, 61, 92, 98; 42: 405-443; 44: 235-242; 45: 187-190, 579, 593, 646, 654.
- customs, notes on 31: 536 sq.
- customs of the Tsimshian 31: 536 sq.
- dancer 35: 982, 1133 sqq., 1159, 1166.
- decapitation in 35: 1374.
- declaration of 30: 362.
- discipline during 42: 433.
- equipment for 42: 429.
- exploits of, recorded on grave posts 42: 396.
- forbidden by Ghost dance doctrine 14: 783, 796.
- groups associated with 47: 527 sq.
- heads cut off and scalps removed in 31: 411.
- hunting of amulets, collection of 3: 527.
- losses indemnified by chiefs 31: 411.
- made to steal horses 46: 544.
- made to take scalps 46: 544, 548-551.
- making of, by independent towns 42: 321.
- members of secret societies become excited in 35: 1374.
- mention of 35: 1276 sq.
- methods of waging 42: 406-415.
- motives of waging 42: 405, 406, 424, 426, 704.
- object of 46: 544.
- of 1812, Indians in 14: 19.
- order observed in 42: 43.
- party, departure of 35: 1370 sq.
- pictographic form of declaration of 10: 358, 359.
- place of, in busk ceremony 42: 549.
- preparation for 42: 407 sq.; 44: 237.
- prisoners of, the property of the captor 42: 343.
- qualification for leaders in 42: 436.
- rank of officers in 42: 436 sq.
- revolutionary, Indians in 14: 18.
- spoils of, property of captor 42: 338.

War—Continued

- symbolism connected with 11: 523.
- to avenge insult 35: 1014 *sq.*
- torture of prisoners of 42: 416 *sqq.*
- use of the term 42: 405.
- victims of, dismembered 42: 415.
- Zuñi origin of 13: 390.

See also **Gods of War; Military Expeditions; War Bonnets; War Chief; War Customs; etc.; Warfare; Wars.**

War-Bonnet-Man, death of 17: 282.

War Bonnets

- appearance of, in pictures of Hopi kateinas 21: 90.
- articles of trade 45: 336.
- description of 27: 359, 446 *sqq.*
- eagle feathers used in 14: 1072.

War Bundle Feast

- a ceremony of thanksgiving 37: 427.
- clan basis of 37: 205.
- description of 37: 441, 445.
- development of 37: 432-436.
- divisions of 37: 428.
- nature of 37: 317.
- of the Thunderbird clan 37: 547.
- origin of 37: 433.

War Bundles

- contents of 37: 442, 547.
 - meaning of contents of 37: 530.
 - ownership of 37: 210, 733.
 - possession of 37: 202.
 - transmission of 37: 193.
- See also* **Ark.**

War Ceremonies, performance of, in House of Mystery 36: 62.

War Chief

- a temporary office 45: 262.
- authority of 45: 156.
- calendar of installation of 47: 50.
- duties of 47: 259 *sq.*
- elected annually 47: 45.
- election of 45: 156.
- functions of 47: 42, 45, 50, 259 *sq.*
- head, mission of 42: 298.
- installation of 47: 46.
- names of 47: 45.
- of the Creek towns 42: 40.
- power of 42: 327; 46: 449 *sq.*

War Chief—Continued

- prayer sticks deposited by 47: 126.
- prayers of 47: 46.
- responsibility of 47: 50.
- special cooks for 47: 45.
- war declared by 42: 428.

War Clans, application of the term 42: 165.

War Clubs

- description of 42: 406.
- mention of 42: 704.
- notched sticks referring to 42: 186.
- of the Hawaiians 33: 621, 639, 642, 644, 645, 648.
- of the Sioux 15: 171.
- of Thunderbird clan 37: 210.
- possession of 37: 202.
- Seri use of 17: 255.
- songs of the symbols on 39: 230.
- stone, use of 46: 555.
- symbol of Thunderbird clan 37: 203.
- symbolism of 42: 430 *sq.*
- types of 45: 115 *sq.*, 256.

War Color 42: 37.

War Cult, Pueblo, present status of 47: 525.

War Customs

- of the Assiniboin 15: 224.
- of the Omaha* 3:
 - behavior of those at home 325.
 - captured horses 326.
 - feast 315, 319.
 - followers, uninvited 317.
 - in defensive 312 *sqq.*
 - in preparation for defensive 313.
 - in preparation for offensive 315, 319.
 - large party 318.
 - Mandan dance 332.
 - new names taken 324.
 - officers 318, 319, 321.
 - opening of the sacred bags 321.
 - ordeal of the sacred bags 328.
 - order of camping 328.
 - order of march 321.
 - policemen 321.
 - preparation for attack 326.
 - preparation for starting 317.
 - report of scouts 328.
 - return of party 328.

War Customs—Continued

- of the Omaha* 3—continued
 - rewards for bravery 329.
 - sacred bags 319, 321, 322.
 - Scalp dance 330.
 - secret departure 317.
 - small party 315.
 - song 320, 323, 325, 331, 332.
 - treatment of captives 313, 332.
 - treatment of wounded foes 332.
- of the Osage* 15: 237.
- of the Santee* 15: 222.
- of the Winnebago* 15: 241.
- See also War; Warfare; Wars.*

War Dances

- characteristics of 47: 527.
- mention of 42: 524, 529.
- of the Coeur d'Alène* 45: 187–191.
- of the Flathead* 45: 389–394.
- of the Kwakiutl* 35: 738, 739, 902, 905, 910, 928, 959, 1000, 1085, 1086.
- of the Okanagon* 45: 293.
- of the Pawnee* 17: 335.
- of the Siouan Indians* 15: 184.
- of Zuñi and Tusayan* 15: 305.
- performance of 42: 557, 570, 572, *sq.*, 610; 44: 237.
- writers on subject of 40: 547 *sq.*

War Department

- acknowledgment to 14: 655.
- expeditions and surveys of 48: 1187.
- See also United States War Department.*

War Dress, symbolic 17: 260.**War Exploits**

- ceremony of recounting 45: 390 *sq.*
- dramatization of 40: 383.
- recounting of 46: 559 *sq.*

War Feasts of the Ojibway, nature of 37: 434.**War Frenzy, Seri** 17: 262* *sqq.*, 265*.**War Gens**

- mention of 39: 243; 40: 237, 241, 245, 358.
- of the Tsi'-zhu tribal division* 36: 238.

War God

- fetish in Oraibi kiva 16: 299.
- of Tusayan* 15: 268.
- symbolism on Hopi pottery 17: 664.

War Gods

- cult of 47: 525–528.
- mention of 24: 48, 267, 328, 384, 399 *sq.*, 441, 562, 617, 649.
- prayer to 47: 668.
- references to 29: 47, 56, 59, 295, 298 *sq.*, 514.
- twin, in Acoma mythology 47: 64.
- worship of 21: 25, 26
- Zuñi, medicines of 30: 39.
- Zuñi, origin of 13: 417.
- Zuñi, shrine of 30: 35.
- Zuñi, snakewood named by 30: 53.
- See also War God; Zuñi, mythology of the.*

War Honor Packs, property of Thi'-xida gens, Ponca 27: 43.**War Honors**

- awarded at Wate'giçtu ceremony 27: 431.
- conferring ceremony, Ponca 27: 43, 439 *sqq.*
- counting 27: 447 *sq.*
- decorations 27: 255, 358, 446 *sqq.*
- in He'dewachi society 27: 252.
- in Hethu'shka society 27: 461.
- in Wa'wa ceremony 27: 398, 399 *sq.*
- reference to 27: 351.
- See also Wate'giçtu; Wathin'ethe.*

War Implement, appearance of, in pictures of Hopi katchinas 21: 90.**War Leader, responsibility of** 46: 443.**War Medicine**

- Cherokee belief concerning 19: 393 *sq.*
- of the Cussitaws* 42: 36.
- taken at busk ceremonial 42: 584.
- taken by warriors 42: 431, 432.
- virtues of 42: 432 *sq.*

War Names

- bestowal of, at busk 42: 570 *sq.*
- granting of 42: 366 *sq.*
- lists of 42: 103–107; 44: 188 *sq.*

War Officials

- functions of 42: 297.
- three clans of 42: 293.

War Organization as typified by Symbolic Man 39: 304.**War Paint**

- of Set-t'aiñte* 17: 210.
- of the Creeks* 42: 436.

War Party

- address at start of 47: 669.
- assembling of 42: 704.
- attack by description of 46: 549 sq.
- authority to organize 39: 345.
- ceremony for start of 47: 671.
- ceremony on return of 44: 235 sq.
- equipment of 42: 427.
- in action, description of 42: 414.
- insubordination in 46: 552.
- influenced by religion 37: 278.
- leader of 44: 237.
- manner of conducting 37: 158-161.
- method of making up 4: 139 sq.
- number comprising 42: 412.
- of the Kiowa 17: 312.
- of the Plains Indians 17: 174.
- office of leader of 39: 107.
- organization of 39: 205, 294; 42: 410 sq., 428, 431; 46: 544 sq.
- organization of, in three classes 36: 66.
- precautions taken by 42: 413 sq.
- responsibility of leader of 42: 416.
- return of 37: 158; 42: 415 sq., 419, 421; 46: 547 sq.; 47: 674.
- tactics of 46: 545 sq.
- See also* Do-do^{n'}-hoⁿ-ga; War; Wars.

War Physic

- a charm against ills 42: 429.
- buttonsnake root used as 42: 656.

War Pipes, description of 42: 435.**War Pole**, description of 42: 383.**War Post of Torture**, mention of 32: 408.**War Pouch**, making of 23: 587 sq.**War Raids**, influence of, on Pueblo architecture 19: 641.**War Rites**

- gentes custodians of 43: 93.
- initiation into 36: 238.

War Shaman, duties of 45: 262.**War Signal of the Sioux** 14: 869.**War Songs**

- sung by dying captive 42: 418.
- sung by women 42: 424.

War Speaker, office of 42: 296.**War Spirits**, Keresan 47: 344.**War Standard of the Osage people** 36: 220.**War Stripes on Kiowa leggings** 17: 260.**War Symbols**

- footprints of the black bear 36: 76.
- mention of 4: 87 sq.
- seven serrations of turtle's tail 36: 92.
- sun rays 36: 119, 123.
- willow saplings 36: 100, 101.

War Titles, bestowal of 42: 420; 44: 187.**War Trace Creek**, trail along 42: 834.**War Whoop**

- giving of 23: 581.
- use of 46: 551.
- See also* Warfare.

War Woman's Creek, legend concerning 19: 419.**War Women**, Cherokee 19: 489 sq., 501.**Warapaima**, *Sudis gigas*

- hooks for 38: § 191.
- tongue of, used as sandpaper 38: § 21.

Warara-raucui Tippet 38: § 538.**Warbano**, Menomini treaty commissioner 14: 21.**Ward Brian**, on battle of Tali'wa 19: 385.**Ward, James W.**, on rock carvings in Ohio 4: 21.**Ward, John**

- on Taos 29: 182.
- on Tesuque 29: 337, 338.

Ward, Lester F., on derivation of mind from force 20: CLXXXV.**Ward, Nancy**

- life of 19: 203 sq.
- rescue of Mrs. Bean by 19: 490.
- warning to Americans given by 19: 47.

Ward, W. H., material collected by 24: 606.**Warden**, —, on influence of wild rice on geographic nomenclature 19: 1122.**Warden, Clever**, acknowledgment to 14: 655.**Warfare**

- aggressive 27:
- as a relief from grief 594.
- authorization on war party 405-408.

Warfare—Continued

- aggressive 27—continued
 - departure of war party 415-421.
 - organization of war party 408 sq.
 - return of war party 431-434.
 - significance of 211, 402 sq.
 - Wai^wwaxube 404 sq.
- attitude toward retreat in 46: 560.
- authorization of 27: 142, 200.
- blessings for 37: 157, 160, 168.
- causes of 46: 470.
- causes of failure in 46: 548.
- clothing worn in 45: 118 sq.
- clouded sky emblematic of 27: 392.
- conclusion of 42: 441 sqq.
- contents of Tents of War 27: 452-458.
- customs of 37: 158-161; 46: 554 sq.
- defensive 27:
 - authority for 415.
 - departure of war party 426-431.
 - in tribal estimation 211, 431.
 - return of war party 432.
 - significance of 402.
 - under We'zhi^sshte gens 423, 454.
- dispatch of scouts 27: 423-426.
- dress of warriors 27: 409 sqq.
- elk rites associated with, Osage 27: 194.
- ethics of 27: 602 sqq.
- exploits of 37: 519.
- honors in 37: 167.
- influence of, on tribal government 27: 402 sq.
- means of preventing 46: 470 sq.
- methods of 27: 427, 441; 42: 705.
- of the Flathead group 45: 359-373.
- Pima, description of 26: 23, 26, 120, 165 sq.; 200-205.
- Pima, speech on going to 26: 353-356.
- Ponca war honors ceremony 27: 439 sqq.
- precautions taken in 46: 549.
- reasons for 37: 157.
- relation of, to marriage 27: 325.
- responsibility in 37: 156, 157, 168, 209.
- Sacred War Packs 27: 411-415.

Warfare—Continued

- secondary to peace 27: 211.
- Seri, character of 17: 259*-265*.
- Seri, weapons used in 17: 254*-259*.
- sham, at busk ceremony 42: 570, 572.
- Tlingit, description of 26: 414, 449 sqq.
- war ritual (lost) 27: 424.
- Wate'gi^ttu 27: 434-448.
- weapons used in 27: 448-452.
- We'toⁿ waaⁿ 27: 421 sqq.
- See also* Annals; Tent of War; Thunder; War; War Customs; War Honors; etc.; Warpath; Wars.
- Warimba or Warimbo. *See* Ischnosiphon.
- Warinakiens, a synonym for Wawenock 43: 172.
- Waring, Lucretia M., cataloguing of Bureau library by 21: xxxii.
- Warm Springs, treaty of 18: 838.
- Warm spring Indians
 - habitat of, about 1892 14: 805.
 - See also* Tenino.
- Warm spring Reserve
 - definition of boundary of 18: 946.
 - establishment of 18: 808.
 - Indians on 14: 805.
- Warmow, —, cited 6: 425, 583.
- Warmth, deification of 11: 372.
- Warner, Major —, Sioux commissioner 14: 839.
- Warner, C. C., letter of, on Wovoka 14: 767.
- Warner, Jared, sketch of Elephant mound by 12: 92, 93.
- Warning
 - and guidance pictographs 4: 155 sqq.; 10: 353-357.
 - given to Americans by Nancy Ward 19: 47.
 - sign for 1: 301, 302.
- Warp
 - construction of Navaho blankets 3: 378.
 - construction of Navaho sash 3: 388.
 - sticks, mode of supporting 8: 133.
- Warpath
 - directions for going on 40: 599.
 - Indian 19: 206 sq.

Warping, prevention of 41: 173.

Warracabba (*Psophia* sp.=trumpeter bird), taming of 38: § 724.

Warracabba Tiger

description of 30: 367.

mention of 38: § 718.

Warrap, sugar-cane drink 38: § 267.

Warrau Indians

abbreviation for name of 30: 107.

amativeness, expression for 30: 164.

anger among, sign of 30: 300 sq.

beliefs of 30: 118, 119, 120, 160.

binas 30: 284, 285, 286.

burial customs of 30: 156, 157, 160, 287.

couvade among the 30: 322.

exorcism among the 30: 196 sq.

food of the 30: 352.

legends of the 30: 122-133, 142 sqq., 150 sq., 166, 172 sq., 174, 177 sq., 180, 182 sqq., 190 sq., 193, 195, 199-203, 205-208, 210 sq., 213-218, 223-227, 244 sq., 247, 249 sqq., 255 sq., 263-267, 271 sqq., 286, 292 sq., 302 sq., 334 sqq., 342, 380 sqq.

marriage customs of the 30: 319.

medicine-men of the 30: 342.

menstrual customs of the 30: 309.

mortuary customs of the 25: 46, 71.

names of the 30: 307.

natal customs of the 30: 320, 322.

ordeals among the 30: 309, 310, 339.

origin of man 30: 142, 143 sq.

propitiation by the 30: 230, 299.

puberty customs of the 30: 309, 311, 312.

quarrel with water-spirits 30: 241.

use of boats by the 30: 125.

vengeance among the 30: 355, 357.

words taboo among the 30: 252.

Warren, William V.

on influence of wild rice on geographic nomenclature 19: 1116, 1120.

on meaning of Sauk and Fox tribal names 19: 1050.

on Ojibwa use of wild rice 19: 1042.

on separation of Assiniboin from their Siouan kinsmen 19: 1054.

Warren, William V.—Continued

on time of year when Ojibwa consume wild rice 19: 1088.

on traditional history of Ojibwa, Potawatomi and Ottawa 19: 1038 sq.

on wild rice in Mille Lacs 19: 1035 sq.

Warren, W. W.

cited on Society of the Midē 7: 160 sq., 162.

cited on Indian traditions 7: 183 sq.

on Ojibwa ceremonial terms 14: 61.

on Shawano religion among Ojibwa 14: 677.

on the Shawano prophet 14: 673.

Warren County, N. J., pottery from 20: 165.

Warren County, Ohio, fragments of pottery from 20: 184.

Warrior

burial of 46: 570 sq.

celebration of the Hopi 15: 260, 268.

description of man to represent, in Flute ceremony 19: 999.

gentes among Siouan tribes 15: 214.

Kwakiutl 35: 1222.

position of, in tribe 27: 122 sq.

prayer whispered by Zuñi 23: 579 sq.

representation of a 21: 108.

rites observed by, after taking scalp 47: 632.

saved by pigmies, Iroquois myth 2: 65.

Siouan, initiation of 15: 175.

the Great, in Iroquoian cosmology 21: 319.

throwing of arrows by 23: 602.

See also Policemen; War; Warrior Clan, etc.; Warriors; Wars.

Warrior Clan

effigies representing 37: 214.

functions of 37: 200, 219.

identical with Hawk clan 37: 192.

lodge of 37: 218 sq.

not Soldier clan 37: 386.

origin myth of 37: 219 sq., 319.

privilege of 37: 158.

rights of 37: 279.

Warrior Clan—Continued

songs of 37: 219, 220.

See also **Warrior's Society**.**Warrior Maid**, Hêhêe appearing as, in Powamû festival 21: 74.**Warrior Order** of the Kiowa 14: 989.**Warrior Society**

of the Arapaho 14: 986.

of the Kiowa 17: 284.

of Tusayan 15: 263.

Warrior Symbol 36: 63.**Warriors**Assiniboin, list of 46: 401 *sq.*

assume new names on the way, Omaha and Ponca 3: 324.

Cheyenne renowned 14: 1027.

crowning of 42: 419 *sq.*

custom of 45: 644.

decoration of 23: 599.

dress of 46: 553 *sq.*, 586, 589.

dress of, when crowned 42: 420.

equipment of 46: 548.

facial painting of 45: 433-437, 644, 646.

first step inaugurated by 23: 579 *sq.*

headdress of 42: 406.

insignia of 45: 390; 46: 593.

paintings of, on wall in Santa Rita mound 19: 665 *sqq.*

proportion of, to population 14: 33.

return of 35: 1374 *sq.*

second class of 42: 301.

selection of personators of 23: 579.

Sioux, number of 14: 852.

tattooing of 46: 592.

weapons carried by 42: 406.

See also **Warrior**; and references.**Warriors' Bed**

one of four beds 42: 191.

position of, in various towns 42: 197-200.

Warriors' Path, common use of the name 42: 780.**Warriors' Path in Kentucky**

connection of, with history of the State 42: 781.

maps showing route of 42: 780 *sq.*

mention of 42: 779-788.

route followed by 42: 781, 797, 798.

Warriors' Society

functions of 47: 51.

mention of 11: 71, 121.

of the Yuchi, reference to 42: 156.

requirements for 47: 96.

See also **Warrior Clan**.**Warri-warri**, Arawak name for fan 38: § 366.**Warrungga**, dance stick 38: § 576.**Wars**

between Indians and whites 45: 128, 259, 367-373.

early, of the Chickasaw 44: 180.

effect of, in reducing Indian population 7: 38.

Eskimo-Indian, etc. 46: 86, 117, 118, 170, 171, 358.

intertribal 45: 359-367.

of the Coeur d'Alène 45: 119-130.

of the Okanagon group 45: 257 *sqq.*

Omaha 27:

intertribal 99.

with Cheyenne and Oto 87.

with Oglala 100, 101.

with Pawnee 87, 88.

with Ponca 87.

with Santee and Yankton 100.

with Sioux 100, 623.

with unknown tribes 99.

origin of Omaha 3: 312.

population decreased by 45: 315.

unlike Old World, Indian 3: 312.

See also **War**; etc.; **Warfare**.**Wart Weed**, medicinal use of 43: 265.**Wartrace**, Tenn., trail to 42: 850.**Warts**, myths concerning 11: 497.**Warty**, a man-being in Iroquoian cosmology 21: 230, 238.**Waruschkin**, A., mention of 46: 373.**Wās**, a monster, not described in detail 31: 348, 461.**Wa'sa inikashiha Group**, Quapaw 27: 68.**Wasama**

games of the 24:

ball race 670.

double ball 659.

hoop and pole 485.

shinny 631.

Wasash. *See* **Osage**.**Wasco**, treaty of 18: 808.

Wasco Indian

- basketry of the 41: 354, 357.
- caps worn by the 41: 354.
- Flathead name for the 45: 301.
- games of the 24:
 - hand game 282.
 - hoop and pole 420, 422, 472.
- habitat of the, about 1893 14: 805.
- land cessions and reservations 18: 808, 838.
- mention of the 41: 136.
- population of the 7: 66.
- sketch of the 14: 741.
- See also Dalles Indian.*

Wasco Language

- grammatical study of 26: xxii.
- vocabulary of, obtained 23: xiv.

Wascopum

- a Wasco synonym 14: 741.
- burial sacrifice of 1: 189, 190.

Wash, R., Menomini treaty commissioner 14: 21.**Washa'be, meaning of the term 27: 154 sq.****Washa'be, Staff**

- care of 27: 278.
- description of 27: 204 sq., 275, 276.
- on annual buffalo hunt 27: 280, 281, 282.
- references to 27: 206, 304.

Washa'be Gens, Ponca

- account of 27: 45.
- references to 27: 41, 42, 48, 55, 439.

Washa'be Subgens, Hon'-ga

- in annual buffalo hunt 27: 277, 279, 283.
- in charge of Sacred Tent 27: 155.
- Washa'be (staff) made by 27: 276.

Washa'betoⁿ Subgens, Hon'-ga

- account of 27: 154 sq., 158 sq., 205, 283.

See also Hon'gaxti Division.

Washaki, habitat of 7: 109.**Washburn, Rev. Cephas**

- Cherokee missionary 19: 136.
- on Bowl migration 19: 100 sq.
- on Cherokee emigration to Texas 19: 141.
- on Cherokee myths 19: 430, 445.
- on Cherokee regard for rattlesnakes 19: 456 sq.
- on Cherokee sacred ark 19: 503.
- on Cherokee witchcraft law 19: 138.

Washburn, Rev. Cephas—Contd.

- on Osage-Cherokee troubles 19: 137.

- on Sequoya's removal 19: 138.

Washburn, H. D., survey by 18: 879.**Washburn, Mrs. Martha, specimens donated by 38: p. 12.****Washee, a delegate to Wovoka 14: 894, 901.****Washes**

- use of, Eastern United States pottery 20: 49, 52, 63.
- use of, Florida Peninsula pottery 20: 117.
- use of, Middle Mississippi Valley pottery 20: 84, 96, 97.

Washe'toⁿ Subgens, Inshita'çurda

- account of 27: 186 sq., 190-194.
- ceremony in charge of 27: 115.
- connection of, with Turning the Child 27: 118.
- position of, in Hu'thuga 27: 122.
- reference to 27: 39.

Washiba

- timber used for bows 38: § 125.
- timber used for clubs 38: § 149.

Washing

- hands after meals 35: 315, 322, 328, 331, 334, 338, 348, 358, 365.
- soapweed used for 30: 83.

Washing the Snakes 19: 977 sq.**Was!hi'nedi, Tlingit clan**

- origin of 26: 411.
- phratry and tribe of 26: 399.

Washington, Colonel —, Navaho expedition under 16: 79.**Washington, General —, mention of 43: 460.****Washington, George, a Caddo 17: 332.****Washington, President George**

- cited 42: 753, 754.
- in relation to Cherokee 5: 161, 173.
- on intruders in Cherokee country 19: 68.
- on General McGillivray 19: 210.
- prevention of pioneer encroachments by (1796) 19: 80.
- visits of, to the Ohio 42: 757.

Washington, State

- military posts in 17: 388.
- petroglyphs in 10: 122, 123.

Washington, State—Continued

researches in 29: 23; 30: 11, 15.
 rock carvings in 4: 25.
 stone implements from 29: 21.
 treaties of 18: 670-674, 680, 696,
 706, 708, 714, 720, 726-732, 734,
 752, 756, 766, 768, 772, 778, 780,
 790-794, 800-808, 816, 818, 820,
 826, 830 *sq.*, 834, 836, 840, 842,
 846, 848; 19: 85 *sq.*, 97 *sq.*, 106,
 139 *sq.*, 147, 165.

See also Columbia Region; Lake
 Washington; Point Washing-
 ton; Wasitû'na.

Washington, D. C.

aboriginal quarries near 15: 15, 29.
 flaked stones near 15: 13, 19.
 pottery from site of 20: 156 *sq.*
 reference to 27: 136.
 sign for 1: 476.
 treaty of (1854) 27: 623, 626 *sq.*,
 633.
 treaty of (1865) 27: 623 *sq.*

Washington, Pa., petroglyphs near
 10: 109.

Washington Decorah's Village, loca-
 tion of 37: 51.

Washington Tribes, basketry of 41:
 136, 137, 140, 184, 205.

Washingtonia Longistylis 33: 107.

Washi'ha, acknowledgment to 27:
 58.

Washis'ka Athi'a. *See* Shell Society.

Washita, battle of the 17: 187.

Washo Indian

account of the 14: 1051.

games of the 24:

archery 396.

dice game 199.

double ball 664.

football 698, 704.

four-stick game 327, 335.

hand game 322.

hoop and pole 523.

stick games 265.

Ghost dance among the 14: 785,
 804.

in Nevada 10: 93.

land cessions and reservations 18:
 836.

linguistic researches respecting 5:
 xxx.

name of the Paiute 14: 1048.

Washoan Stock

implements employed by, in stick
 games 24: 227.

mention of 7: 131.

tribes of the 24:

Pao 335.

Washo 199, 265, 322, 335, 523,
 664, 704.

Washoe Indian. *See* Washo Indian.

Wa-sho'-she, ritual recorded by 43:
 44.

Washtemna, mention of 33: 111.

Washtub Basket, terms for 41:
 396.

Wâsi, Cherokee pseudo-myth of 19:
 428 *sq.*

Wasitû'na

on Charley's escape and surrender
 19: 131, 158.

sparing of 19: 158.

Wâ'siu, a Washo synonym 14: 1051.

Wasp Dancers 35: 1158 *sq.*

Wasp Katcinas. *See* Tetañaya.

Wasp-stinging Ordeal 38: § 884.

Wasps

and bees, use of, as food 38: § 226.

dogs named after 30: 307.

eggs of, bins from 30: 288.

legends of 30: 334, 336 *sq.*

use of, in ordeals 30: 309 *sq.*

Wassi, the Carib name for manicol,
 poison 30: 358 *sq.*; 38: § 735.

Wastefulness of the Navaho silver-
 smiths 2: 175, 178.

Watahpahata; **Wate-pana-toes**;
Watepaneto, Kiowa synonyms
 17: 149.

Watāne'di, *Tlingit* clan, phratry and
 tribe of 26: 400.

Watān-gaa. *See* Black Coyote.

Watauga

cession of settlements at 19: 62.

Cherokee attack on fort at 19: 48.

Watch Port. *See* Hiding Shelter.

Watch-spring Coils

elongated 41: 169 *sq.*, 173.

mention of 41: 168 *sq.*, 172.

Watch Towers

and cliff dwellings analogous 16:
 198.

of Pueblos 16: 92.

Watchandies, number names of 19:
 877.

Watche land cessions and reservations
18: 822.

Watcoosa, sale of land by 18: 626.

Wate'giçtu Ceremony

general description of 27: 434-437.
in charge of We'zhi'shte gens 27:
142.

Ponca war honors ceremony 27:
439 *sqq.*

reference to 27: 43.

"the Crow" 27: 441-446.

war honor decorations 27: 438 *sq.*

Wate-pana-toes; Watepaneto. *See*
Watahpahata.

Water

a life symbol 36: 95, 98.

administering of 23: 137.

and oil mixed 35: 1317.

as symbol of health 39: 238.

beliefs concerning 11: 386, 424, 438,
522.

carried by women 40: 339.

characterization of 37: 441.

effect of, on bees 30: 201.

for drinking 38: § 254.

gesture signs for 10: 642 *sq.*

high, destruction of wild rice by 19:
1027, 1099, 1100.

importance of, in Seri diet 17: 180*
sqq.

in Tewa conception 29: 52.

lashing of, for fish 38: § 193.

medicinal 42: 669.

method of carrying, at Walpi 8: 65.

of Seriland 17: 28 *sqq.*, 181*.

offering to, in War-bundle feast 37:
429, 430, 503.

pottery for transportation and stor-
age of 4: 284.

powers, in Siouan concepts 11:
537.

prayer for, in Hopi festivals 21: 53.

running, use of, in Hako ceremony
22, ii: 39, 42, 44.

sacred regard for 14: 919.

Serian and Yuman names for 17:
338* *sqq.*

signs for 1: 357, 494.

songs for crossing 39: 312.

splashing a man with, meaning of
30: 201.

sprinkling, in Cipaulovi Antelope
dance 16: 283.

Water—Continued

squirting of, by Hopi kateinas 21:
81.

supply of Canyon de Chelly 16: 86,
88.

supply of Sikyatki 17: 638, 646.

symbolism of 22, ii: 350.

symbolism of, in Tusayan 16: 307.

transportation and preservation of
4: 482.

traveling on, words taboo while 30:
252 *sq.*, 307.

treatment of, in Hako ceremony
22, ii: 32, 74, 77, 302.

use of, in drilling 13: 165.

use of, in Hopi ceremony 17: 689.

use of, in Tusayan 16: 281.

vessels at Cipaulovi altar 16: 279.

vessels of the Omaha 13: 277.

worship of, by Pueblo Indians 14:
561.

See also **Asperger; Cloud; Domes-
tic Pottery; Rain; River; Sea.**

Water Babies, belief in 30: 247.

Water Bags of the Eskimo 18: 73 *sq.*

Water Bear, belief in 42: 495.

Water Beetle

basketry design 38: § 445.

mention of 36: 222.

myths concerning 19: 239, 430.

Tlingit notions concerning 26: 459.

Water Bison, belief in 42: 495.

Water Bottle, ornamented 12: 247.

Water-bubbling People

a Blue Corn division 47: 71.

officials of 47: 272.

Water Buckets

Eskimo 18: 70 *sqq.*

Eskimo, handles of 18: 100-103.

Water Calf, belief in 42: 495.

Water Cannibal, myth of 19: 349
sq.

Water Chinquapin

a sacred food 39: 195.

mention of 33: 79.

See also **Nelumbo Lutea.**

Water Clan, size of 47: 35.

Water Cow. *See* **Manati.**

Water Creatures

beliefs concerning 42: 494 *sq.*

story concerning 42: 490 *sq.*

Water Demons in Menomini myth
14: 227, 234.

- Water Dog**
in Cherokee lore 19: 307, 410.
See also Otter.
- Water Dwellers** in Cherokee myth
19: 334.
- Water Family**
immigration legend of 8: 31.
last to settle at Tusayan 8: 29.
- Water, Fresh**, a man-being in Iroquoian cosmology 21: 175.
- Water Game**
hidden ball game, Zuñi 24: 374-381.
of the Guiana Indians 38: § 622.
- Water Haas**, *Hydrochaerus capybara*
hoofs of, used as bells 38: § 575.
hunting of 38: § 175.
- Water Hemlock**, use of 45: 476, 513.
- Water-house Clan**
association of, with Piba clan 19: 601.
germ goddesses of 21: 122.
- Water-house People**
clans of 22, i: 24.
of Tusayan 17: 672.
traditional home of ancestors of 22, i: 22, 24.
See also Patki.
- Water Jars**
collection of 3: 531 *sqq.*
use of, in chimney construction 8: 180.
- Water Jug**, transformation of 30: 246.
- Water Knotweed**, use of 45: 515.
- Water Lily**
bud of, as fish bait 38: § 192.
medicinal use of 42: 669.
white, use of 44: 288, 342.
- Water Moccasin** in Cherokee myth
and lore 19: 297.
- Water Moccasin Clan**, native names
for 42: 115.
- Water Monster** in Navaho genesis
17: 488.
- Water of Life** 33: 637; 35: 748, 1237.
- Water of Springs**, a man-being in Iroquoian cosmology 21: 174.
- Water Parsnip**
place named for 30: 86.
use of 45: 482.
use of, in medicine 30: 44.
- Water People**
arrival of, at Tusayan 19: 652.
legends concerning 30: 242 *sq.*
mythic 11: 538.
of Tusayan probably from the south 13: 188.
offerings to 47: 294, 295, 318, 319.
supernaturals 47: 342.
See also Fish Nation.
- Water Person**, belief in 42: 495.
- Water Pockets** in cavate lodges 13: 228, 235.
- Water-pouring Men**, an Arapaho priestly order 14: 989.
- Water Power**, use of 20: XLII.
- Water Routes** paralleling trails 42: 744.
- Water Sense** of the Seri 17: 158* *sq.*
- Water Snake**
legend concerning 30: 225, 242.
See also Camudi.
- Water Spider**
mention of 36: 223.
myths concerning 19: 241 *sq.*, 430, 431.
- Water Spirit Bundle**, explained to Miss Densmore 47: 9.
- Water Spirit Clan**
customs of 37: 242.
functions of 37: 201, 241.
origin myth of 37: 242.
personal names of 37: 242 *sq.*
- Water Spirits**
account of 30: 241-253.
amorousness of 30: 241, 246-249.
beliefs in 30: 154, 241-253.
cohabitation with 30: 325.
conception of 37: 287 *sq.*
description of 30: 241-245.
gift of stones by 30: 330.
helplessness of 30: 241, 245 *sq.*
offense to 30: 251 *sqq.*
offering to 37: 469.
origin of 30: 241, 245.
references to 30: 241, 251 *sq.*
See also Fish-Mamma; Fish Nation; Okoyumo; Omar; Oriyu.
- Water Storage**
in ancient Verde pueblo 13: 199.
See also Water.
- Water Strider** 36: 223.
- Water String** 33: 93.

Water Supply

Cibola 8: 80.

Ketchipauan 8: 82, 83.

Kin-tiel 8: 92.

Tâaaiyalana dwellings 8: 90, 91.

Zuñi 8: 97.

*See also Water.***Water Tiger**, belief in 42: 495.**Water-tight Baskets** 41: 135, 201
*sq.***Water Turtle.** *See* Tón-ak'á.**Water Vessels**

clay, from 2:

Acoma 404.

Canyon de Chelly 419.

Cochiti 405.

Laguna 399, 401.

Santa Clara 415.

Santo Domingo 409.

Tesuque 410, 413.

Wolpi 378.

Zuñi 343, 347.

forms of 8: 109.

toy-like, from Wolpi 2: 385.

*See also Water, vessels.***Water Work**, definition and description 13: 13.**Watercress**, native American 14: 517.**Wateree**

habitat and probable linguistic connection of 7: 114.

mention of 42: 696.

Waterfowl

destructive to wild rice 19: 1026.

Eskimo methods of catching 18: 131, 135.

man-beings in Iroquoian cosmology 21: 182, 285.

of Seriland 17: 38.

Seri methods of catching and eating 17: 190* *sq.*

skin, Eskimo ceremonial objects made of 18: 420.

skin, Eskimo clothing made of 18: 31.

Watering the boat 46: 115.**Waterleaf**, use of 45: 480.**Waterloo, Ala.**, trails crossing near 42: 851.**Waterman, T. T.**

collection made by 41: 95.

on cardinal colors 29: 42.

work of 41: 49, 63, 73, 79.

Watermelons

cultivation of 38: § 244.

important Pima crop 26: 75.

introduction of, into Pueblo country 14: 550.

mention of 33: 120, 136.

probable place of origin of 33: 59.

use of, in Cipaulovi Snake race 16: 284.

use of, in Tusayan ceremony 16: 280.

vines of, carried in Snake dance 16: 305.

Waterproof Basketry 38: § 115, 433.**Waterproof Garments** of the Eskimo 18: 36 *sq.*, 221.**Waterson's Ranch** petroglyphs 4: 31, 32.**Waterton, C.**

cited 30: 328, 343.

on making curare 30: 303 *sq.*

on spirit incarnation 30: 175.

Watertown Village, location of 37: 51.**Waterways**, influence of, on distribution of pottery 20: 23.**Watha'wa**, description of 27: 497-500.**Wa-the'-the**, the Sending ceremony 36: 91, 155.**Wathe'xe**, application of the term 27: 219, 458, 494.**Wathi'gizhe Subgens**, account of 27: 148 *sq.*, 151 *sqq.***Wathi'ethe**count of, in Ho'hewachi 27: 498 *sq.*description of 27: 202-206, 212, 213, 495 *sqq.*in connection with Wa'wa^a party 27: 378.

reference to 27: 208.

Wa'thishnade

acknowledgment to 27: 631.

remarks of 27: 637.

Wathi'toⁿ Subdivision (*Ho'n'ga*), account of 27: 154, 157 *sq.***Wathon'**, office of 27: 147, 149, 275-283.**Wa-thu'-ts'a-ga-zhi**, the father of Wa-xthi'-zhi 39: 154.**Wa'-thu-xa-ge**, an informant 36: 292, 298; 39: 183, 260.

Watie, Stand

a Confederate leader in the Civil War 5: 298, 325, 328, 333.
confiscation act against adherents of 5: 343.

See also **Stand Watie**.

Watkins, C. B., material collected by 24: 204, 205, 644.

Watkins, Rev. E. A.
descriptions of terms in hand game (Cree) by 24: 270.
on dice game term, Cree 24: 69.

Watkins, Mary C. B.
material collected by 24: 326.
on hand game, Mission Indian 24: 326.

Watkins, T. J., mounds on farm of, Tennessee 12: 405.

Watlala

a Kwikwúlit synonym 14: 741.
population of 7: 66.

Wa-toh-konk. *See* **Gúato-kóñgya**.

Watonga, a derivation of the name 14: 897.

Watoⁿ'the, meaning of the term 27: 342.

Watópachnato, an Assiniboin division 15: 161.

Watsahewa land cessions and reservations 18: 788.

Wa-tse-gi-tsi, wi'-gi-e of the 43: 51 sq.

Wa-tse'-moⁿ-in
an informant 36: 156, 211, 219;
39: 154, 196, 213.
assistance rendered by 45: 532 sq.
earth names given by 43: 53.
names given by 43: 50.
records made by 36: 54.

Wa'-tse-tsi Gens

life symbols of 36: 95.

wi'-gi-e of 36: 95; 43: 47.

Wa'-tse-tsi Wa-shta-ge Gens. *See*
Peace Gens of the Hoⁿ'ga.

Watson, H. G., mention of 46: 31.

Watson Place, flint on 44: 516.

Watson's Landing, Fla., occurrence of fiber-tempered ware at 20: 122.

Watterson's Ranch, Owen's Valley, Calif., petroglyphs at 10: 59.

Wattles, appearance of, in pictures of Hopi kateinas 21: 80.

Wattling

or lathing of kiva walls 8: 126.

use of, in southern houses 23: XXIX.

Wattoola-hawka-hutche, name for Whooping Creek 42: 39.

Watts, John

chief of Chickamauga band 19: 72.
conference at Jellico by (1794) 19: 79.

expedition against Knoxville under 19: 75.

friendliness of, in 1791 19: 76.

letter left at Gillespie's Station by 19: 66.

progressive leader 19: 83.

rain on settlements near Knoxville under 19: 63.

wounding of, in 1792 19: 73.

Waugau's Village

cession of reserve at 18: 748.

reservation at 18: 674.

Waugh-zee-waugh-ber

among the Paiute 14: 703.

name applied to Tā'vibo 14: 765.

Wau-kaun-hoa-noa-nick, Menomini treaty signer 14: 28.

Waukesha, Wis., mounds near 5: 17.

Waukewa's Band

cession of reserve by 18: 758.

See also **Chekose's Band**.

Wauk-tshay-hee-sootsh, Menomini treaty signer 14: 28.

Wauponehsee

purchase of reserve for 18: 750.

reservation for 18: 724.

Wau-uta. *See* **Frogs; Rain Frog**.

Wau'waaⁿ, description of 27: 320-323.

Wauwaunishkau, Ojibwa treaty signer 14: 28.

Waux, the son of, story of 31: 243-246.

Wave, term for 29: 52.

Waverly, Miss., road to 42: 826.

Wawac Races, description of kateinas appearing in 21: 114-117.

Wāwālibā'yē 35: 816.

Wa'-waⁿ Ceremony

adopted from the Arikara 27: 112.

among the Ponca 27: 400 sq.

beginning of, among Omaha 27: 376.

Wa'-waⁿ Ceremony—Continued

- character of songs of 27: 382, 386 *sqq.*, 390-395, 400.
- classed with We'wagpe 27: 597.
- description of 27: 376-400.
- distribution of 27: 74 *sq.*
- Omaha and Ponca versions of, compared 27: 377, 379 *sqq.*, 400.
- party in charge of 27: 378.
- pipes of 27: 47, 162, 375, 376 *sqq.*, 380.
- references to 27: 43, 211, 363, 496.
- with another tribe 27: 381-400.

Wawenock Tribe

- dialect of, now obsolete 43: 177.
- family names of 43: 176.
- gradual drift of 43: 172.
- habitat of 43: 170 *sq.*
- history of 43: 171-175.
- location of 43: 170.
- loss of the name 43: 175.
- material culture of 43: 176.
- meaning of the name 43: 169, 171.
- part taken by, in Indian wars 43: 174.
- political independence of 43: 175.
- population of 43: 175.
- present survivors of 43: 169.
- proper name of 43: 169.
- removal of, to Becancour River 43: 173.
- settlement of, on Becancour River 43: 175.
- social organization of 43: 176.
- synonyms for 43: 171.

Wawkeet Family, mention of 43: 209.

Wax

- bee's 38: § 24.
- diaphragm in flageolets 38: § 563, 564.
- modeling in 38: § 612.
- See also* Gums; Resins.

Wa-xa'-ga-u-gthin, a division of the Osage 36: 45.

Wāxap lalasō^ε (Leleged, Q!ōmk!utles, Kwag-ul) 35: 1121.

Waxhaw

- custom of the 42: 703.
- head flattening of the 42: 687.
- heating and lighting of townhouse among 19: 230.
- Spanish contact with the 19: 28.

Wa-xo'-be

- contents of 36: 72.
- gentes owning 36: 65.
- name of the Sacred Hawk 39: 89, 94.
- position of, as an omen 39: 370.
- secured for the National Museum 36: 72.
- songs connected with 39: 369.
- symbols of courage 36: 63.

Wa-xo'-be Ton-ga 36: 71 *sqq.*

Waxthe'xe Xigithe Ceremony

- meaning of the term 27: 230.
- reference to 27: 219.

Waxthe'xeton, meaning of the term 27: 221.

Waxthe'xeton Subgens, Ho'ga

- account of 27: 154, 156 *sqq.*
- connection of, with Sacred Pole 27: 205, 221, 230, 273.

Wa-xthi'-zhi

- an informant 36: 153, 155; 39: 46, 83, 96, 131, 136, 154, 170, 178, 196, 203, 213.
- earth names given by 43: 52, 53.
- recorder of Osage rites 43: 30.
- rituals described by 43: 44.

Wayima Lake, mythic reference to 29: 572 *sq.*

Wayishkee, Ojibwa treaty signer 14: 28.

Wayland's Mills, steatite quarry near 15: 132.

Waymouth, Captain —, reference to 43: 171.

Wayne, —, Maumee Valley settlements described by 7: 41.

Wayne, Gen. Anthony

- building of Fort Recovery by 19: 212.
- defeat of confederated tribes by 19: 213.
- effect of victory of 19: 68, 78, 79, 81.
- message to Ohio Cherokee by 19: 79.

Wayne County, Pa., pottery from 20: 166.

Wayne County, Tenn., flint in 44: 520 *sqq.*

Wayyampa, a Waiām synonym 14: 741.

Wa-zha'-zhe

- a tribal division 39: 82, 83, 205.

Wa-zha'-zhe—Continued

- as a name 27: 38, 40.
- gens, Kansa 27: 67.
- gens, Ponca 27: 41, 42, 45 *sq.*, 47, 49, 56, 309.
- gentes belonging to 39: 84.
- kinship group, Osage 27: 58, 59, 62, 63.

See also names of subgentes.

Wa-zha'-zhe Ćka Gens

- life symbol of 36: 94.
- wi'-gi-e of 36: 94.

Wa-zha'-zhe Seven Fireplaces, place of, in ceremony 39: 84.**Wa-zha'-zhe Subdivision**

- origin of people of 36: 59.
- wi'-gi-es of 36: 92-104.

Wazha'zhe Tribe. *See* Osage.**Wa-zha'-zhe Wa-noⁿ Gens**

- a gens of the Hoⁿ'ga divison 39: 43.
- a war gens 39: 243.
- life symbol of 36: 92.
- symbol of 39: 50.
- wi'-gi-e of 36: 92 *sq.*; 39: 154.

Wazha'zhewadainga, acknowledgment to 27: 58.**Wazhiⁿ'agthe, a form of punishment 27: 216, 497, 583 *sq.*, 602.****Wazhiⁿ'ga, story of 27: 477, 478.****Wazhiⁿ'ga Inikashiga Group, Quapaw 27: 68.****Wazhiⁿ'ga Inikashikithe Gens, Kansa 27: 67.****Wazhiⁿ'ga Itazhi Subgens, *Tha'tada* account of 27: 159, 160 *sq.*, 164 *sq.* reference to 27: 161, 365.****Wa-zhiⁿ'-ga-ĉa-be, mention of 45: 534.****Wazhiⁿ'thethe, help through will power 27: 497, 583 *sq.*, 602.****Wa-zho'-i'-ga-the Wi'gi-e 43: 103-110, 113, 122.****Wea**

- land cessions and reservations 18: 654 *sqq.*, 663 *sqq.*, 668, 678, 680, 692, 700, 744, 794, 842 *sqq.*, 930.
- (Ouachtenons) population of, in 1764 19: 1108.

Wealth

- attitude toward 47: 137.
- display of, in Pamŭrti festival 21: 28.
- foundation of 20: LXX.
- of the Creeks 42: 333.

95719°—33—72

Weapons

- burial of, with dead 30: 149, 156 *sq.*
- carried by warriors 42: 406.
- description of 27: 448-452; 46: 555.

firearms supplied by the United States 26: 51.

for hunting and fighting 38: p. 144-173 (Ch. X).

Indian 14: 498.

introduction of guns 27: 617.

Kiowa, obtained from Mexico 17: 165.

lack of, in New Spain 14: 540.

manner of hafting 2: 211.

manufacture of 27: 338.

mention of 42: 704.

mystic power of 14: 225.

of ancient Tusayan 17: 596, 598.

of shell 2: 210.

of the ancient Peruvians 16: 11

of the ancient Zuñi 13: 358.

of the Antilleans 25: 209.

of the Arapaho 14: 987, 988.

of the Eskimo 9:

arrows 201-207.

bear arrows 202.

bird darts 210-214.

bolas for birds 244 *sqq.*

bow cases and quivers 207.

bows 195-200.

bracers 209 *sq.*

daggers of bone 191 *sq.*

firearms 193 *sqq.*

hand club 191.

harpoons for casting 218-233.

harpoons for thrusting 233-240.

lances 240-244.

seal darts 214-218.

slung shot 191.

whaling guns 195.

of the Kiowa 17: 173.

of the Menomini 14: 274.

of the Northern Indians 11: 246, 312.

of the Omaha 13: 283.

of the Pima 26: 95 *sq.*, 120 *sqq.*, 202.

of the Pueblo Indians 14: 404, 548, 563.

of the Seri 17: 254* *sqq.*

of the Siouan tribes 15: 171.

of the Tsimshian 31: 53.

Padouca 27: 79.

Weapons—Continued

- prohibited in Ghost dance 14: 788.
- property in 27: 363.
- used in hunting 45: 97-101, 240 sqq., 344.
- used in warfare 45: 115 sq., 255 sqq., 359.
- See also* Arrows; Bows; Dirks; Shields; Spears; etc.

Wear of Teeth. *See* Teeth.**Wearers-of-Locks.** *See* Qin'-dse-a-gthe Gens.**Wearing Hair** in the Hañga gens, style of 3: 235.**Weasel**

- in mythology, Tlingit 26: 467.
- mummy fetishes, Eskimo 18: 62 sq., 437.
- sea, Eskimo mythic animal 18: 443.
- source of personal names 26: 423.

Weasel Bear

- portrait of 14: 844.
- sacred pipe shown by 14: 961.
- the sacred pipe keeper 14: 955, 959.

Weasel Girls, myth of 10: 471 sq.**Weather**

- beliefs concerning 11: 468.
- charm, mythological explanation of 35: 622, 625.
- charm, northwest wind called by 35: 629.
- charm of Koskimo 35: 630.
- charm of Kwāg'uḥ 35: 630.
- charm, starfish as 35: 630.
- charms 35: 620-637.
- charms, crabs as 35: 620, 625, 628.
- control of 30: 267 sq., 270; 42: 629 sqq.
- control of, by twins 35: 631.
- Eskimo shaman's attempts to change 18: 431 sq.
- forecasting of 30: 269.
- imploration of Midewiwin 7: 207 sqq.
- influenced by blue sea eggs 35: 637.
- lore regarding 43: 270 sq.
- prayer for calm 31: 543.
- signs, examples of 27: 112.
- signs, Kwakiutl 35: 605.
- signs, reference to 29: 48.
- signs, Seneca 32: 657.

Weather—Continued

See also Rain; Rain Making; Storm; Tempest; Thunder; Wind; etc.

Weather Dances 45: 192.**Weather Terms**

- enumeration of 29: 53.
- See also* Cold; Heat; Seasons; etc.

Weatherford, William

- leader of hostile Upper Creeks 19: 89.
- life of 19: 217.
- massacre at Fort Mims by Creeks under 19: 216.
- surrender of 19: 96.

Weaver, Paul

- at Casa Grande 26: 30.
- reference to 28: 62, 149.

Weaver, Ceremonial, of matting, for shrine 45: 687.**Weavers, Navaho**, paper on 3: 371-391.**Weaving**

- among the Cherokee 19: 101, 112, 214.
- among the East Cherokee 19: 176.
- among the Guiana Indians 38: p. 137-142 (Ch. IX).
- among the Isletans 47: 212.
- among the Kwakiutl 35: 1318.
- among the Pima 26: 149-153.
- among the Tsimshian 31: 397 sq.
- appliances 8: 212.
- blankets 23: 372.
- ceremonial 45: 693.
- colors used in 23: 373.
- description of 27: 347 sq.
- development of 13: 21.
- early description of 13: 22.
- Eskimo tools for 9: 316 sq.
- for clothing 45: 328.
- illustrated from pottery 3: 397-425.
- illustrated from pottery, modes of 3: 401, 405, 413.
- illustration in, Fox 40: 301, 303.
- Navaho 2: 434.
- Navaho position in 3: 380.
- Navaho, superior to Zuñi 23: 372.
- of bags 45: 47 sqq., 327.
- of baskets, materials used for 41: 353 sq.
- of caps 45: 225 sq.

Weaving—Continued

- of cedar bark 35: 137, 138, 142.
- of mats 45: 225 sq.
- of rabbit skins for clothing 45: 66.
- Okanagon 45: 219 sq.
- plants used in, bulrush 33: 67.
- plants used in, list of 30: 77 sq.
- plants used in, nettle 33: 77.
- references to 29: 11, 342.
- wool by the Navaho 3: 375.
- Zuñi 3: 389, 390, 391; 23: 372, 373.
- See also* **Beadwork; Mats.**

We'bashna, account of 27: 122-128.

Webb, E. B., stone collar obtained by 25: 167.

Webb, Jasper, mounds on land of, Arkansas 12: 201.

Webber, James, aid rendered by 43: 219.

Webster, Daniel

- assistance rendered by 33: 46.
- definition of mask of, a modern conception 3: 74.
- denounces policy toward Cherokee 5: 288, 290.
- opposition to removal project by 19: 129.

Webster, Noah, on origin of the mounds 12: 597.

Webster, Thomas, keeper of Iroquois wampums 19: 354.

Webster, N. C., petroglyphs at 10: 99.

Wechilla land cessions and reservations 18: 782.

Wedding Blankets, appearance of, in Hopi pictures 21: 119.

Wedding Ceremonies. *See* **Marriage Customs.**

Wedges

- celts used as 13: 73, 76.
- Eskimo 18: 88.
- for marking 35: 83.
- mention of 35: 387, 394, 491, 524, 583.
- of deer antler 44: 135.
- stone 46: 146.
- stone, Eskimo method of making 18: 91.

Weed, W. H., on Indian smelting 19: 201.

Weeden Island, Fla.

- remains from 42: 19.
- researches in 41: 102.

Week, terms relating to 29: 67.

Wee-ka-nahs, mention of 1: 101.

Weekay, Menomini treaty commissioner 14: 21.

Weenie, mention of 46: 108, 119, 120.

Weeping as an expression of grief 20: CXL sqq.

Weeping Songs 39: 137 sq.

Weesaw's Band

- cession of reserve for 18: 762, 766.
- reservation for 18: 742.

Weesionas's Band

- cession of reserve for 18: 762.
- reservation for 18: 742.

Weevil (P) Clan, native name for 42: 116.

We'geçapi, account of 27: 50, 439.

Wegner, —, mention of 46: 97.

Wehe, on site of katchina kiva 19: 607.

Weight, in Western Eskimo 46: 213-227.

Weight-carrying Ordeal 38: § 748.

Weight of Vessels

- Eastern United States 20: 61.
- Florida Peninsula 20: 117, 121.
- Middle Atlantic Coast 20: 153.
- Middle Mississippi Valley 20: 83, 84.

See also **Walls.**

Weir, Colonel —, arrangement by Ross with 19: 149.

Weirs and Fences for trapping fish 38: § 203.

Weissenborn, Dr. Johannes, acknowledgment to 34: 189, 190.

Weitspekan Family

- language, work on 11: xxix.
- mention of 7: 131.

See also **Yurok.**

Wejegi Pueblo, loopholes in 8: 198.

Wekapaug, a Narragansett village 43: 217.

We'ku Feast, account of 27: 496.

Welch, Edward, mounds on farm of 5: 41.

Welch, H., on surface burial 1: 141.

Welch, Lloyd R.

- East Cherokee chief 19: 175.
- farewell address of 19: 226 sq.

Welcker, H., mention of 46: 306, 307, 311, 373.

Welcome

and friendship 38: § 807, 808.
speech of 38: § 813.

Welcome Ceremony of the Cherokee
19: 493.

Welfare, corporations for promotion of
20: LXXV.

Well

dug by besieged Indians 14: 499.
on Burton Mound 44: 71 sq.
or reservoir of Zuñi 8: 97.

Wellborn, Johnson, Georgia commis-
sioner in treating with Cherokee
5: 236.

Wells, Captain —, in Sioux outbreak
14: 850, 861.

Wells, General —, at battle of Prophet's
Town 14: 688.

Wells, Lieut. Harold R., mounds pho-
tographed by 41: 67.

Wells, Philip

acknowledgment to 14: 655.
interpreter at Wounded Knee 14:
881.

Wellsville, Ohio

petroglyphs near 10: 104.
rock carvings at 4: 21.

Welsh, Herbert

on Indian regard for Crook 14: 826.
on Wounded Knee massacre 14:
869.

Wemalche land cessions and reserva-
tions 18: 782, 822.

We-ma-we, Zuñi name for all fetishes
2: 12.

Wenatchi Indian

basketry of 41: 142, 154, 155, 157,
182, 198, 223, 230.
caps worn by the 41: 354.
Flathead name for 45: 300.
imbrication among 41: 140.
name of, in sign language 45: 146.
rims of baskets of 41: 142.
shapes made by the 41: 141.

Wenatshapam

a Piskwaus synonym 14: 738.
See also Yakima.

Wenemovet, mention of 46: 174.

Wenerramett, a Wawenock at Fal-
mouth Conference 43: 174.

Wenibojó, the mystic personage who
first gave wild rice to the Ojibwa
19: 1093 sq.

Weopemeoc Indians, sale of land by
18: 625 sq.

Werowance, of *Virginia*, preservation
of dead among 1: 131, 132.

Weser, Frances, acknowledgment to
15: 18.

Wesley, Charles

on French prophets 14: 939.
on Methodists 14: 940.
on the Jumpers 14: 939.

Wesley, John, mention of 42: 482.

Wesley, John (2), *Choctaw Indian*,
story told by 42: 493.

West, Lieutenant Colonel —, military
operations of 26: 48.

West, G. A., description by, of Aztalan
37: 88 sqq.

West, G. M., material collected by
24: 80

West, Dr. W., Dakota time chart
copied by 4: 93 sq.

West, the land of spirits 42: 512 sq.,
514.

West Caicos, number of specimens
from 34: 50.

West Coast, Fla.

paste used for pottery of 20: 117.
pottery of 20: 125-128.

West Farm, midden on 34: 159.

West India Company, settlement by
18: 575 sq.

West Indian, condition of, at time of
discovery 34: 53.

West Indies

antiquity of man in 25: 91, 220.

archeological collections in 25: XII
sq.

archeological reconnaissances in 25:
XXIV sq., XXVI sq.

ethnological researches in 24: XIII
sq.

fauna of 25: 22.

flora of 25: 22.

geological changes in 25: 219 sq.

geological divisions of 34: 59.

memoir on antiquities of 36: 11.

petroglyphs in 10: 136-140.

visit of Dr. J. W. Fewkes to 34: 8.

wooden masks of 25: 136.

*See also Antilleans; Caribbean;
Greater Antilles; Lesser Antil-
les.*

West Tennessee, trails of 42: 852 sqq.

West Tennessee Chickasaw Trail
42: 811, 815 *sq.***West Virginia**

- archeologic work in 8: xx.
- banner stones from 13: 121, 122, 123.
- Barboursville, mound group near 12: 438, 439.
- bird-shape stones from 13: 126.
- boat-shape stones from 13: 124.
- bunts from 13: 169.
- butterfly gorgets from 13: 124.
- Cabell County 12: 438.
- celts from 13: 74, 75, 76, 77, 78, 79, 80, 81, 82, 86.
- character of pottery of 20: 149, 150.
- Charleston, ancient works near 12: 424-434.
- chipped flints from 13: 144, 145, 146, 147, 148, 149, 150.
- chisels from 13: 84.
- cones from 13: 113, 114.
- cores from 13: 171.
- Criel mound, near Charleston 12: 415 *sq.*
- design from vase from 20: 171.
- discoidal stones from 13: 100, 101, 102, 103, 104, 105, 106, 107, 108, 109.
- Fayette County, ancient stone wall in 12: 409.
- Fayette County, inclosure in 12: 407.
- Fayette County, rock circles in 12: 407, 408, 410.
- field work in 11: xxxiv.
- flakes from 13: 173, 174.
- gorgets from 13: 118, 119, 120.
- Great Smith mound, near Charleston 12: 425.
- grooved axes from 13: 65, 66, 67, 69.
- hematite celts from 13: 86.
- hemispheric stones from 13: 114, 115.
- Kanawha County, antiquities of 12: 410-434.
- Mason County, rock heaps and mounds in 12: 415.
- mortar from, description of 13: 96, 97.
- mound exploration in 5: xx, xxi.
- mounds in 5: 10, 51-60.

West Virginia—Continued

- notched ax-form objects from 13: 71, 72.
- occurrence of Iroquoian pottery in 20: 164.
- occurrence of pottery resembling that of East Tennessee in 20: 182.
- paint stones from 13: 115.
- pestles from 13: 88, 90, 91.
- petroglyphs in 10: 124 *sqq.*, 475, 676 *sqq.*
- pipes from 13: 120, 130, 132; 20: 173.
- plummets from, described and figured 13: 111, 112.
- Putnam County, antiquities of 12: 434.
- rock carvings in 4: 22, 225.
- rock wall near Clifton 12: 411.
- scraper-form implements from 13: 85, 86.
- scrapers from 13: 84.
- Southern, trails of 42: 765-771.
- stemless perforators from 13: 166, 167.
- stemless scrapers from 13: 170.
- stemmed flints from 13: 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164.
- stemmed perforators from 13: 167, 168.
- stemmed scrapers from 13: 169.
- totem marks in 4: 17.
- tubes from 13: 127, 128.
- West Wind**, power of, god of the Iroquois 2: 52.
- Westermarck**, *Prof. Edward*, on primitive marriage 17: 285*.
- Western Cherokee**
 - East Cherokee suits against 19: 177.
 - history of 19: 146-157.
 - See also* **Arkansas Cherokee**.
- Western Chokecherry** 33: 89.
- Western Clan House**, Casa Grande 28: 112.
- Western Company**, charter of 18: 545 *sq.*
- Western Dené**, stick game of the 24: 273.
- Western Eskimo**. *See* **Eskimo**, *Western*.
- Western Innuait**, population of 7: 75.

Western Journal on wild rice in water system of Red River of the North 19: 1035.

Western Lancet, cited on claim symbols 4: 159.

Western Superintendent of Indian tribes, reference to 27: 622 sq.

Western Union Telegraph Co. 46: 128.

Westervelt's Version 33: 305.

West's Mill, N. C., trail to 42: 773.

Wetahato, a Kiowa synonym 17: 149.

Wetanamow, sale of land by 18: 617.

Wetapahato, a Kiowa synonym 17: 149.

We'tcu(r)t, Pima village 26: 23.

We-te-pâ-hâ'-to, a Kiowa synonym 17: 150.

We'tonⁿ Waan
description of 27: 421 sqq.
reference to 27: 583.

Wetopahata, a Kiowa synonym 17: 150.

Wettaphato, a Kiowa synonym 17: 150.

Wettstein, E., mention of 46: 373.

Wetumka, Okla., mention of 42: 492.

Wetumka Creek, an affluent of Big Uchee 42: 39.

Wetumka River. See **Owatamka River.**

Wevokar, name applied to Wovoka 14: 765.

We'wagpe Rites, account of 27: 596 sq., 602, 607.

We'wha
burial of 23: 313.
death of 23: 310-313.
description of 23: 310, 311.
gathering of potter's clay by 23: 374.
legend related by 23: 135.
mention of 23: 20.
preparation of body of 23: 312.

Wewuk, mention of 46: 207.

Weya, *Mourera fluviatilis* 38: § 190, 210, 250, 257, 284.

Weyehhloo, a Klû'kâtât synonym 14: 738.

We'zhi'shte Gens
funeral customs of 27: 144, 358, 589.

We'zhi'shte Gens—Continued
general account of 27: 142-145.
in charge of Cedar Pole 27: 457.
in charge of war rites 27: 122, 196, 200 sq., 423, 454.
in He'dewachi 27: 258.
part of, in dispatch of scouts 27: 425.
part of, in establishing Nini'batoⁿ divisions 27: 201.
personal names of 27: 145 sq.
position of, in hu'thuga 27: 122, 141.
recapitulation 27: 194.
references to 27: 42, 160.
taboo 27: 194.

Whale
as ancestor 35: 836, 885
blubber, boiled 35: 467.
clan animal, Tlingit 26: 399.
crest animal, Tlingit 26: 416, 417, 423.
Eskimo lance for hunting 9: 240 sqq.
feast 35: 464.
fishing, Indian 11: 174, 203, 247, 314.
flensing of 35: 464.
house group name, Tlingit 26: 401, 402, 404, 406.
in Tlingit mythology 26: 454.
killer, Eskimo mythic animal originating in 18: 444.
mask of, Tlingit 26: 436.
mention of 35: 464.
oil, trying out of 35: 466.
painting of 35: 811, 813, 816.
place of, in Seri dietary 17: 192* sq.
ribs, jaws, etc., used in house construction 46: 168, 182.
right, Eskimo fetish representing 18: 439.
right, Eskimo fetishes used in hunting 18: 439.
right, Eskimo methods of hunting 18: 165 sq.
source of personal names, Tlingit 26: 422.
spears of the Eskimo 18: 137-140.
tail of, boiled 35: 468.
white, Eskimo beliefs in supernatural powers of 18: 438, 440.

Whale—Continued

white, Eskimo fetish representing
18: 439.

white, Eskimo methods of hunting
18: 131, 166.

white, Eskimo taboos relating to
18: 440.

See also **Killer Whale; Whalebone.**

Whale Dish 35: 807, 809, 810, 811,
813, 814, 815, 816, 818, 864, 991,
1033, 1059.

Whale Island

mention of 46: 84, 165, 170, 195,
199.

ruins at 18: 263 *sq.*

Whale Society 35: 920, 922, 928,
935, 936.

Whalebone

Eskimo ceremonial objects made of
18: 404.

Eskimo houses built of 18: 257
sqq.

Eskimo implements and utensils
made of 18: 72, 77, 78, 81, 82,
94, 123, 124, 133, 147, 161, 171,
175 *sqq.*, 179 *sqq.*, 187, 190, 192.

Eskimo tobacco implements made of
18: 272, 277.

Eskimo transportation apparatus
made of 18: 208, 225.

Eskimo use of, as cord 18: 110, 171.
spits for killing wolves made of
18: 121.

mention of 46: 173.

shavers of the Eskimo 9: 173 *sq.*

use of 44: 134.

See also **Whale.**

Whaling Guns of the Eskimo 9:
195.

Wham, Maj. J. W., adobe houses
built by 4: 145.

Whatley, L. A.

acknowledgment to 17: 147.

on Set-t'aiñte 17: 209.

Wheak-kaw, Menomini treaty signer
14: 28.

Wheat

among the Pima 26:

magic growth of 258 *sq.*

preparation of 68.

production of 76, 90.

chemical composition of 19: 1082.

cultivation of 27: 635.

introduction of 27: 620.

Wheat—Continued

origin of 9: 542.

preparation of 30: 71.

reference to 27: 633.

use of, in he'palokía 30: 75.

Wheat Bran, Cherokee use of, in
Smother firing 20: 56.

Wheat Straw, use of, in basketry 26:
134; 41: 145.

Wheaton, Colonel —, troops under, at
Pine Ridge 14: 850.

Wheel

absence of, among aboriginal Ameri-
can potters 20: 19, 50, 57.

glyph in Troano Codex 16: 261.

incipient form of 20: 69.

influence of discovery of, on forms of
vessels 20: 62.

Omaha shooting at the rolling 3:
335.

Pottery turned on, Florida Penin-
sula 20: 129 *sq.*

substitutes for, among Eastern
United States potters 20: 50.

Wheel and Stick, game of 24: 475.

Wheel Game

of the Arapaho 24: 442.

of the Plains tribes 14: 994, 995.

Wheeler, C. F., on wild rice in Michi-
gan 19: 1030.

Wheeler, George M.

on Cerro Pellado 29: 392.

on Ojo Caliente hot springs 29:
164.

on United States Peak 29: 195.

Wheeler, J. F.

arrest of 19: 119.

printer of *Cherokee Phoenix* 19:
111.

Wheeler, R. G.

agent for Pima 26: 34.

on Pima irrigation 26: 33.

Wheeler Survey

archeologic work under 16: 80.

Reports of, reference to 28: 186.

Wheelock, Lieutenant —, on Kiowa ex-
pedition of 1834 17: 262.

Wheelpoo, a Colville synonym 14:
732.

Wheelwhypum, a Klû'ktāt synonym
14: 738.

Whelpley, J. T., researches of 44:
531, 532.

- Whelpley Collection**, basis of 44: 532.
- Wherrit**, —, punishment of Kiowa boys by 17: 361.
- Whetstones**
 found at Little Falls 15: 68.
 of the Eskimo 9: 183 *sqq.*; 18: 91 *sqq.*
 of the Kwakiutl 35: 242.
- Whilkut**, stick games of the 24: 239.
- Whip Dance**, brief description of 46: 564.
- Whipping**
 as a cure 47: 287.
 as exorcism 47: 524 *sq.*
 as ordeal 30: 308, 311, 321.
 as punishment 38: § 738; 42: 350, 351, 353, 354, 355, 356, 697; 44: 219; 47: 287, 479.
 at burial 38: § 840, 845, 849.
 at captaincy 38: § 746, 747.
 at planting or ripening of fruits 38: § 584, 738.
 at puberty 38: § 885.
 at salutations 38: § 811.
 at widowhood 38: § 897.
 broken arrow used for 30: 210.
 by kateinas 47: 872 *sq.*
 ceremonial 47: 132, 979.
 ceremonial, of the Fox Indians 40: 577.
 datil used for 30: 99.
 for purification 47: 506 *sq.*
 importance of rite of 47: 976.
 inducive of strength 31: 451.
 of children, Creek 42: 364.
 of children in Tusayan ceremony 15: 283, 284.
 of initiates 47: 48, 263.
 used in ceremonies 30: 138, 157, 300.
 Zuñi attitude toward 47: 518.
See also Flogging.
- Whipping Ordeal** 45: 168.
- Whipple, Lieut. A. W.**
 Aztec Pass fort mentioned by 28: 210.
 Kiowan researches of 7: 84.
 necklace obtained by 2: 229. In 2: 477, "Index," initials are given as E. W.
 on Acoma 29: 543.
 on hoop and pole, Mohave 24: 424, *sq.*
- Whipple, Lieut. A. W.**—Continued
 on Indian commerce 9: 530.
 on pictographs 4: 28, 29, 33, 158.
 on Pima musical instruments 26: 167.
 on Santo Domingo 29: 448.
 on the derivation of Yuma 7: 137.
 on Walnut Creek Valley 28: 206–209.
 on Zuñi mythology 7: 139.
 pictographs reported by 10: 61 *sq.*
 Pima vocabulary of 7: 98; 26: 269.
- Whipple, Lieut. E. W.** *See Whipple, A. W., necklace obtained by.*
- Whipple, Ewbank, and Turner**
 on Cherokee baptism 26: 188.
 on early inhabitants of Arizona 28: 216 *sq.*
 on Indians in battle 26: 202.
 on Pima villages 26: 20.
- Whippoorwill**
 association of, with elves 43: 261 *sq.*
 Cherokee name for 19: 281
 myths concerning 11: 500.
- Whips**
 dog, of the Eskimo 11: 244.
 invention of 30: 228.
 of the Eskimo 18: 209, 210.
 of the Omaha 13: 280.
 use of, in Hopi foot races 21: 114.
See also Snake Whips; Whipping.
- Whirling Thunder's Village**, location of 37: 51.
- Whirlwind**, a Cheyenne war chief 17: 204, 299.
- Whirlwind**
 in Paiute Ghost song 14: 1054, 1055.
 Indian reverence for 14: 1034.
 pains caused by, in Pimería 26: 265.
 pictograph for 10: 603 *sq.*
 song of the 14: 907.
- Whirlwind People**, mention of the 32: 61.
- Whistle**
 at Makuari dance 38: § 844.
 Cannibal 35: 1070.
 description of 27: 371, 377.
 eagle bone, used by medicine-men 14: 868.

Whistle—Continued

for Winter dance 35: 899, 901, 1153.

frog 35: 1070.

making of, of eagle's wing bone 22, ii: 185, 193.

mention of 37: § 567-569.

rich-woman 35: 1070.

use of, to imitate eagle's scream 22, ii: 183, 339.

See also Whistles; Whistling.

Whistle Sickness 4: 114, 138, 221.

Whistler, Colonel —, at Fort Gibson in 1837 17: 170.

Whistler Skin, Eskimo clothing made of 18: 32.

Whistles

bone, from Awatobi 17: 627.

bird-bone 44: 133.

occurrence of, in Mexico and Central and South America 20: 35.

of ancient Chiriqui 19: 455.

of the Kwakiutl 35: 874, 911, 1004, 1005, 1208.

of the Omaha 13: 282.

of Tusayan 15: 289.

pottery, absence of, in Middle Mississippi Valley 20: 82.

use of, in Hopi ceremony 17: 628.

use of, in hunting 46: 537.

See also Whistle.

Whistling for fish 38: § 187.

Whiskers

name given to Cicuye Indian 14: 490, 497.

release of 14: 503.

taken prisoner by Alvarado 14: 493.

Whiskey Creek, mention of 46: 50.

Whisky

in Indian legend 19: 350.

influence of, on the Eskimo 18: 268 sqq.

Whitacre, C. W., a Kiowa trader 17: 319.

White, —

on petroglyphs at Track Rock Gap 19: 419.

on War Woman's Creek 19: 419.

pseudo myths and traditions given by 19: 415 sq.

White, Colonel —, order issued by, in 1792 19: 72 sq.

White, Doctor —, incomplete mask collected in Alaska by 3: 115.

White, General —, operations of army under 19: 90, 91.

White, Ammi M.

capture of 26: 48.

Pima vocabulary by 26: 269.

resident trader for Pima 26: 33, 90.

White, B. B., description of cemetery in New Granada by 6: 19.

White, C. A., Unios identified by 2: 129.

White, E. E., Kiowa agent in 1887 17: 226.

White, Frank, a Pawnee Ghost dance leader 14: 902.

White, F. E.

bid of, on Casa Grande repair 5: 328, 338.

contract with, for Casa Grande repair 5: 334.

White, George, mention of Rembert mound, Georgia, by 12: 315.

White, Rev. George

on racket 24: 587 sq.

on spears of Maryland Indians 15: 85.

White, James, salt spring purchased by 42: 783.

White, John

drawing of Indian woman by 20: 15.

drawing of use of earthen pot in boiling by 20: 26.

drawings by 41: 583.

White, Prof. Leslie A., contributor to Bureau 48: 1189.

White, Peter, Seneca informant 32: 52.

White (=color)

Serian and Yuman words meaning 17: 336* sq.

symbolism of 19: 493, 494.

the peace color 42: 37, 253.

White and Black Ware from Pueblo ruins 22, i: 59 sq., 180.

White and Green Ware from Pueblo ruins 22, i: 61.

White Animals, Indian veneration for 19: 447.

White Ants. *See White People.*

White Bear

myths concerning 19: 250, 264, 273.

See also Kutcahonauû; Set-t'aiñte.

- White Bear Fetish** of the Zuñi 2: 40.
- White Bird**
 delegate to Washington 14: 891.
 ignored in Sioux difficulty 14: 832.
- White, Black and Red Ware** from Pueblo ruins 22, i: 60 sq.
- White Buffalo**, Ghost shirt introduced by 14: 791.
- White Buffalo Ceremony**
 description of 40: 38, 83, 87, 89, 91, 95, 97, 123, 125, 127, 129, 131, 145, 163, 167.
 invitation to 40: 40.
 summary of 40: 38 sq.
- White Buffalo Dance**
 benefits derived from 40: 89.
 instructions to founder of 40: 67-91, 95, 115.
 mythical origin of 40: 47-281.
 paraphernalia connected with 40: 119, 123.
 songs of 40: 97-115.
- White Buffalo Hide, Sacred**
 account of 27: 283-286.
 association of, with Sacred Pole 27: 229.
 gifts to 27: 205.
 keeper of 27: 208.
 on annual buffalo hunt 27: 278, 280, 281, 283.
 references to 27: 155, 160, 262, 509.
 rites 27: 596.
 ritual 27: 232, 249, 286-309.
 tent 27: 154, 194 sq., 282, 283, 284 sqq.
- White Buffalo Society**, members of 41: 42, 43.
- White Chief.** *See* Belden, George P.
- White Clans**
 a Creek moiety 42: 157.
 origin of 42: 113.
 relation of, to White towns 42: 194-197, 249.
- White Clay Creek**
 destruction of property on 14: 881.
 Ghost dance on 14: 846, 916.
 hostile Sioux on 14: 873, 882.
 Sioux council on 14: 821.
- White Corn Chief**
 ceremonial house of 47: 210.
 reference to 47: 204.
- White County, Tenn.**, discovery of remains in 41: 571.
- White Cowbirds.** *See* Ä'to-t'aiñ.
- White Cow-killer.**
 Winter Count chart 4: 95, 99-127, 129 sq.
See also Corbusier Winter Counts.
- White Crane Dance**, description of 46: 563.
- White Crow's Village**, location of 37: 51, 99.
- White Day**
 meaning of 42: 548.
 received from Ibofanga 42: 547.
 term used in medicinal formulae 42: 626.
- White Eagle**
 Chief, assistance rendered by 33: 46.
 Ponca, account of 27: 49 sq.
 Ponca, narrative by 27: 49, 216.
- White Earth Reservation, Minn.**
 changes in 18: 894, 912, 936.
 description of 44: 285.
 establishment of 18: 846.
 Ojibwa Mide ceremony at 10: 254.
 removal of Pembina Chippewa to 18: 862.
 work at 10: XIII.
- White-eater Woman** in Pima song 26: 290.
- White Elm**, mention of 33: 75.
- White-Eyes**, Cherokee condolences on death of 19: 56, 379.
- White Feather**, ancient Pima chief 28: 35 sq., 50, 51.
- White Fish**
 Eskimo implements for catching 18: 180, 186 sqq., 194, 195.
 whole, chemical composition of 19: 1082.
- White Gods**, *Kok'ko Ko'han*, why so called 23: 217.
- White Hair's Village**, reservation including 18: 708.
- White Hat**
 Apache chief 26: 46.
 exploit of 26: 55.
- White Hominy**, commercial, chemical composition of 19: 1081.
- White Horn.** *See* Tí'l'-lakai.
- White Horse**
 assistance rendered by 33: 46.
 deportation of, to Florida 17: 215.

White Horse—Continued

- flight of, to Bad Lands 14: 884.
- in war path against Navaho 17: 320.

See also Tseñ-t'aiñte.

White House. *See* Casa Blanca.**White Katcina.** *See* Kutca.**White King**

- feast in honor of 42: 535.
- Hokiwahali chief 42: 322.

White Lieutenant, an influential chief 42: 323.**White Line Group** of Chiriquian pottery 6: 111 sq.**White-Man**

- a Kiowa Apache chief 17: 253.
- delegate to Washington in 1892 17: 223, 364.
- house built for 17: 342.
- Kiowa-Apache councilman in 1888 17: 221.
- portrait of 17: 249.

White Man

- dependence of, on wild rice 19: 1101-1105.
- signs for 1: 450, 469, 491, 500, 526.
- See also* White Men; White People; Whites.

White-Man-Killer, attack on Scott party by 19: 77.**White Men**

- in Pima mythology 26: 221.
- influence of, on Cherokee mythology 19: 235.
- legends of first contact of Cherokee with 19: 350 sq., 483.
- rainbow associated with 30: 268.
- See also* White Man; White People; Whites.

White Moiety, clans composing 42: 111, 113.**White Mountain Apache**

- population of 7: 56.
- See also* Apache, White Mountain.

White Mountain Apache Reservation.

- crossing of, by Coronado 14: 387.
- traversing of, by Niza 14: 359.
- work in 40: 12 sq.

White Mountain Reserve

- changes in 18: 860, 864, 876, 884, 888, 890, 944.
- establishment of 18: 854.

White Mountains in Pima legend 28: 52.**White Oak Chippewa**, agreement with 18: 936.**White Oak Mountain**, trail over 42: 767.**White Ox's Village**, location of 37: 51, 99.**White Path**, rebellion of 19: 113 sq.**White People**

- legends of 11: 261.
- Pima gentes 26: 197.

See also Whites.

White Pigment 38: § 32.**White Raccoon's Village**

- cession of reserve at 18: 752.
- reservation at 18: 716.

White River, cession to Cherokee of tract on 19: 102 sq.**White River, Ark.**, occurrence of salt-making vessels on 20: 28.**White River, S. Dak.**, reference to 27: 85.**White Seat**, use of, in peace making 42: 442, 443.**White Shield**

- Cheyenne delegate to Wovoka 14: 895.
- loyalty of, in 1874 17: 204.

White Smoke

- meaning of 42: 548.
- term used in medical formulae 42: 626.

White-tail Deer People, a synonym of Kutenai 14: 731.**White Towns**

- alien towns taken in by 42: 266.
- as place of refuge 42: 252 sq.
- clans, phratries and moieties of 42: 158 sq., 160.
- devoted to maintenance of peace 42: 249.
- list of 42: 254.
- of Lower Creeks 42: 125 sq.
- of the Seminole 42: 126.
- of the Upper Creeks 42: 123 sq.
- protection of 42: 344.
- relation of, to White clans 42: 194-197, 249.

White Ware

- from ruined pueblos on Little Colorado River, reference to 22, i: 61.

White Ware—Continued

mention of 4: 269, 304, 305-358.
relative antiquity of, and of coiled ware 4: 358 *sq.*

White Wolf

Comanche councilman in 1888 17: 221.
surrender of 17: 249.

Whitehall, treaty at 19: 35.**Whites**

Acoma attitude toward 47: 53.
as spectators, influence of, on Snake dance 19: 978.
class of, found among Creeks 42: 326.
comparative data on 46: 240, 241, 243, 244, 245, 246, 247, 249.
contact with 27: 81 *sq.*, 114, 611 *sq.*
effect of contact with 47: 57.
Indian wars with 45: 128, 259, 367-373.
influence of 27: 29 *sq.*, 519, 620 *sqq.*
influence of, on Hopi painting 21: 13, 14.
intermarriage and mixture of, with Eskimo 46: 102, 106, 111, 151, 362.
missionaries, work of 27: 625-629.
mixture of, with Yukon Indians 46: 151.
See also names of nationalities—*English, French, etc.*; **Traders**; **White Man**; **White Men**; **White People**.

White's Fort

convention at, in 1791 19: 68 *sq.*
expedition against Cherokee from 19: 65.

Whiteside County, Ill., pottery from 4: 429; 20: 192.**Whiteside Mountain, myth concern-** 19: 317, 444, 467.**Whitewash**

how made and applied in Zuñi 8: 145.
on house walls 8: 145.
on Mashongnavi room 8: 109.
on outer walls of Shumopavi 8: 73 *sq.*
use of, for coating doors 8: 186.
use of, in Casa Blanca 16: 109.

Whitewash—Continued

use of, in Mummy Cave ruin 16: 115.
use of, on cliff houses 16: 146.

Whitfield, Agent —, on Indian hos- tility in 1854 17: 298.**Whitfield, J., on pictographs in** Brazil 4: 44 *sq.***Whiting, —, acts of, as Indian super-** intendent 18: 851.**Whitley, Colonel —**

expedition against Chickamauga towns under 19: 78, 79.
shell gorgets procured by 2: 303.

Whitman, Doctor —

accused of witchcraft 14: 724.
killing of, by Indians 14: 743.

Whitman, James P., copper spool, Alabama, donated by 12: 285.**Whitner, Joseph, surveyor of Cher-** okee boundary line 5: 165, 168.**Whitney, A. W., mounds on farm of,** New York 12: 506.**Whitney, J. D.**

description of a burial cave by 1: 128.
on the alphabet 1: 557.

Whitney, J. L., description of shell plate by 2: 265.**Whitney, Prof. W. D., on primitive** speech 1: 283.**Whitney, Willard J., petroglyphs re-** ported by 10: 62.**Whitney, W. Norton, cited on Jap-** anese "medicine" 9: 531.**Whitside, Major —**

Big Foot's band intercepted by 14: 867.
on mortality of Wounded Knee 14: 870.

Whittaker, C. W. See Whitacre, C. W.**Whittaker, Jack, information ob-** tained from 42: 834.**Whittaker, Jeff, information obtained** from 42: 834.**Whittemore, Rev. Isaac T., on Pima** 26: 59.**Whittemore, I. T.**

appointment of, as custodian of Casa Grande 15: 329.
compensation of, recommended 15: 343.

- Whittemore, I. T.**—Continued
 cooperation of, in repair of Casa Grande 15: 327.
 judgment of, regarding Casa Grande 15: 346.
 on further protection of Casa Grande 15: 344.
- Whittier, J. G.**, petition of, for Casa Grande repair 15: ciii.
- Whittlesey, Col. Charles**
 allusion to work of, in Ohio 12: 440.
 cited 4: 250.
 cited on description of Etowah mounds 12: 296, 301.
 on bird-shape stones 13: 126.
 on Menomini characteristics 14: 34.
 on use of cupped stones 13: 92.
 survey of Newark works by 12: 459.
- Whizzer**
 absence of, in certain Snake dances 16: 282, 284, 288, 293, 298.
 appearance of, in Hopi pictures 21: 91, 108, 111, 120.
 in Cipaulovi snake race 16: 284.
See also Bull-roarer.
- Whooping** as a means of communication 42: 446.
- Whooping Cough**
 among the Indians 4: 108.
 among the Kiowa 17: 219.
 fatal to Creek children 42: 636.
 origin of 30: 293.
 treatment of 42: 667.
- Whooping Creek**
 an affluent of Big Uchee 42: 39.
 mention of 42: 37.
- Whorl Design** in Southwestern basketry 26: 136 *sqq.*, 140.
- Whortleberry**
 chemical composition of 19: 1081.
 use of 45: 486, 490, 495.
- Whoyauni**
 Chiaha war chief 42: 34.
 name interpreted 42: 34.
- Whyenânâvim**, exploit of 26: 45.
- Whympier, Frederic**
 mention of 46: 128, 150, 333, 335, 373.
 on burial boxes 1: 156.
- Wi'alêt-pûm**, a Cayuse synonym 14: 744.
- Wiccacomoco Indians**, grant of land by 18: 566.
- Wichita, Kans.**
 location of Quivira near 14: 397.
 village, visit of dragoons to 17: 266.
- Wichita Indian**
 account of the 14: 1095.
 color symbolism of the 24: 279.
 delegation of, to Wovoka 14: 901, 903.
 first official intercourse with 17: 169.
 games of the 24:
 archery 386.
 dice games 102.
 double ball 647, 658.
 hand game 267, 276-281.
 hoop and pole 470 *sq.*
 running races 804 *sq.*
 shinny 625-628.
 stilts 731.
 swing 730.
 Ghost dance among the 14: 653, 786, 895, 898, 902, 927.
 houses of the 17: 266.
 in peace ceremonial, 1872 17: 190.
 inhumation among the 1: 102, 103.
 Kiowa friendliness to 17: 165.
 land cessions and reservations 18: 860.
 mythology of the 24: 626, 658, 804 *sq.*
 name of the Arapaho 14: 954.
 name of the Caddo 14: 1092.
 name of the Cheyenne 14: 1023.
 name of the Comanche 14: 1043.
 name of the Kiowa Apache 14: 1081.
 Omaha name for 27: 102.
 plundering of, by Kiowa and Comanche 17: 187.
 population of 7: 62; 17: 266.
 practice of tattooing by 10: 375.
 proper name of 17: 268.
 racing among the 19: 494.
 refusal of, to accept Ä'piatañ's report 14: 914.
 study of songs of the 15: xxxviii.
 Tewa name for 29: 578.
 tribal name for 1: 476.
 visit of, to Washington 34: 28.
- Wichita Language**, study of 13: xxxiv; 14: xl.

Wichumni

land cessions and reservations 18: 782.

See also **Tule River Reserve.**

Wicissi Duck

mention of 38: § 724.

origin of 30: 122.

Wick of Eskimo lamps, method of supporting 18: 63, 64.

Wickedness, revelation of 40: 241.

Wicker

baskets among Pueblo Indians 14: 562.

cover for gourd vessels 4: 483.

fish-traps, Eskimo 18: 125, 184 *sq.*

pattern basketry 38: § 107, 431.

preceramic use of vessels of, by American Indians 20: 25.

Wickersham, James

acknowledgment to 14: 655.

mention of 46: 31.

on Aiyal and Yowaluch 14: 1111.

on the Shaker religion 14: 750, 751.

Shaker songs recorded by 14: 755.

Wickiup

life in, after death 40: 405, 415, 417.

origin of the term 13: 275.

See also **Wigwams; Wikiup.**

Wicks, Rev. J. B., establishment of church among the Kiowa by 17: 219.

Wicoko, worship of 21: 25.

Wicomico River, boulder beds on 15: 71.

Widaagh, sale of land by 18: 596.

Wide-head People, location of 45: 295.

Widowers

customs concerning 40: 325, 344, 435-451; 42: 378-384; 45: 175, 289, 503, 504, 507, 508.

Omaha 3: 268.

remarriage of 46: 511.

remarriage of, forbidden for four years 31: 535.

rites observed by 47: 632.

taboos concerning 47: 503.

Widows

care of 42: 382.

Chippewa 1: 184, 185.

Widows—Continued

customs concerning 39: 54, 238; 40: 329-335, 360, 485-491; 42: 337, 372, 378-384; 44: 233 *sqq.*; 45: 503, 504, 508.

Eskimo 9: 414.

facial painting of 45: 430.

Guiana Indian 38: § 839, 840, 853, 855, 868, 897.

house of 35: 604.

law concerning 42: 382.

mention of 35: 521.

mourning customs of 1: 185, 186; 45: 175.

Omaha 3: 267.

remarriage of 30: 314; 46: 511; 47: 238.

remarriage of, forbidden for four years 31: 535.

restriction regarding 45: 289.

strangled and buried 42: 384.

suicide among 46: 522.

taboos concerning 47: 503.

wi'-gi-e used at installation of 39: 238-242.

See also **Wife; Woman; Women.**

Wi'dyu, a Comanche band 14: 1044.

Wied, Prince of

cited 4: 107, 195, 220, 222.

on manufacture of pottery by Mandans, Minitaris and Arikaras 20: 195 *sq.*

See also **Maximilian, Prinz zu.**

Wiedemann, Dr. Alfred, on Egyptian myths 19: 438.

Wiegel, C. W., collection made by 29: 21.

Wiener, —, cited 6: 242.

Wife

application of the term 42: 82.

Guiana Indian 38: § 868-874.

term used for 42: 92, 93, 451.

See also **Wives; Widows; Woman; Women.**

Wife Beating

among the Eskimo 9: 414.

among the Fox Indians 40: 311, 321, 327, 342, 343, 429.

Wi'-gi-e

adornment 45: 556.

black bear, puma and eagle 45: 647-650.

child-naming 43: 75-84.

Wi'-gi-e—Continued

- dream 45: 610.
 earth name 43: 49 *sq.*
 first smoking 39: 54.
 footstep 43: 37; 45: 558, 708 *sq.*
 Ki'-noⁿ 39: 71 *sq.*; 43: 34 *sq.*,
 96, 97.
 moccasin 45: 700-703.
 name-taking 43: 40-44.
 most important 43: 84.
 of beaver and thirteen willow sap-
 lings 45: 616-619.
 of making the new shrine 45: 718-
 723.
 of slipping off moccasins 39: 84 *sq.*
 of the aged eagle 36: 70, 88 *sqq.*
 of the Black Bear gens 39: 154-
 164.
 of the Bow people 43: 47 *sq.*
 of the charcoal 39: 214.
 of the chief's vigil 36: 84-91.
 of the dreams 39: 138-144.
 of the eagle 36: 88 *sqq.*
 of the green rush 45: 688 *sq.*
 of the guardians of the penalties
 39: 44 *sqq.*
 of the linden 45: 691 *sq.*
 of the metal 36: 70, 90 *sq.*
 of the mussel 39: 252 *sq.*
 of the Red Eagle gens 43: 90 *sq.*
 of the rushes 45: 697 *sqq.*
 of the symbolic firewood 39: 223.
 of the symbolic moccasin 39: 63-
 66, 248 *sqq.*
 of the symbolic painting 39: 74 *sqq.*
 of the vigil 36: 70, 71, 84-88.
 of the Wa'-tse-gi-tsi 43: 51 *sq.*
 of the Wa'-tse-gi-tsi gens 43: 47.
 of the Wa-zha'-zhe Wa-noⁿ gens
 39: 164-170.
 Old-age 43: 45 *sqq.*
 origin, of the Tho'-xe gens 43: 56
sqq.
 paraphrase of 43: 93 *sq.*
 penalty, of all the gentes 39: 47 *sqq.*
 penalty, of the Ni'-ka Wa-koⁿ-da-gi
 gens 39: 51 *sq.*
 rattle 45: 579 *sqq.*, 711-715.
 recited by the Puma gens 39:
 148-154.
 relating to life symbols 43: 84.
 relating to symbolic haircut 43:
 818.

Wi'-gi-e—Continued

- rights to 43: 44.
 second smoking 39: 59.
 sun-ray 39: 170 *sq.*
 taking of bodies 43: 60-67.
 taking of life symbols 43: 73.
 the Xo'-ka 36: 74-81.
 tobacco smoking 45: 544.
 U-noⁿ 43: 101 *sqq.*
 used at installation of widow 39:
 238-242.
 Wa-zho'-i-ga-the 43: 103-110, 113-
 122.
 Zha'-zhe ki-toⁿ 43: 97-101, 110-
 113.
See also under different names.
Wi'-gi-e Toⁿ-ga
 mention of 36: 254-269.
 theme of 36: 238.
Wi-gi-es of the gentes, recital of 36:
 92-139.
Wigs, use of, by Indian medicine-men
 9: 474 *sq.*
Wigwam Festival of the Mohegan
 43: 255.
Wigwams
 etymology of 14: 70.
 in National Zoological Park, erec-
 tion of 18: xxvii, xxxv.
 mention of 19: 1017.
 of Passamaquoddy Indians, study of
 18: xxxiv *sqq.*
 probable appearance of 41: 552.
See also **Birch Bark**; **Cedar Bark**.
Wihinacht, number names of 19:
 870.
Wikhegan, definition of 10: 35, 330.
Wiki
 Antelope priest, description of 19:
 984.
 functions of 19: 977.
 Hopi Snake clan chief, reference to
 19: 579.
Wikiup
 Paiute, description of 14: 1049,
 1050.
See also **Wickiup**.
Wiksrn People, settlement in Tusay-
 an of the 8: 27.
Wiktchamne, dice games of the 24:
 139 *sq.*
Wiktcina, description of the 21:
 116.

Wikwaliobi Kiva

mention of 19: 611.

Tacab and Woe katchinas personated in 21: 30.

Wikyatiwa

Antelope priest, description and function of 19: 985.

Hopi Snake clan chief, reference to 19: 579.

on advent of clans at Walpi 19: 585.

Wilcox, E., on partial cremation 1: 150.

Wilcox, Gen. O. B., F. H. Cushing aided by 3: xiv.

Wilcox County, Ala., earthen burial urn from 20: 38.

Wild Agave, fish poison 38: § 209.

Wild Animals, meeting of, story of 31: 106 *sqq.*

Wild Anise 33: 113.

Wild Bean, use of 44: 320.

Wild Black Currant 33: 84.

Wild Boy, myths concerning 19: 242-249.

Wild Cashew, drink 38: § 267.

Wild Cat

and the white rabbit 2: 110.

fetish of the Zuñi 2: 27.

in Pima mythology 26: 371.

in Pueblo region 14: 518.

myth concerning 19: 269 *sq.*, 449.

native American 14: 517.

skin of, symbolism of, in Hako ceremony 22, ii: 47, 48.

skin of, use of, in Hako ceremony 22, ii: 23.

symbolism of, in Hako ceremony 22, ii: 23, 111.

See also Tokotci.

Wildcat Clan

native names for 42: 116.

story of 44: 200.

Wildcat Disease, mention of 42: 644.

Wild Cherry. *See Prunus Serotina.*

Wild Columbine 33: 82.

Wild Currant, use of 44: 292, 321, 356.

Wild Four-o'clock

mention of 33: 78.

use of, in medicine 30: 58.

Wild Fruits 38: § 247.

Wild Geranium. *See Geranium Maculatum.*

Wild Ginger, use of 44: 287, 318; 45: 460.

Wild Gooseberry 33: 84.

Wild Gourd

common along the Gila 26: 91.

medicinal use of, by whites 26: 79.

Pima medicinal plant 26: 79.

seeds of, a Papago article of trade 26: 93.

See also Cucurbita; Gourds.

Wild Horses, first caught by Dakota 4: 108.

Wild Lettuce. *See Lactuca Canadensis.*

Wild Onion

mention of 33: 71.

Pima food plant 26: 76.

use of 44: 286, 340, 377.

Wild Plum

mention of 33: 87.

See also Prunus Americana.

Wild Rice

amounts of, harvested 19: 1073-1079.

botany of 19: 1021.

cooking of 44: 318.

cooking of, for food 19: 1083-1086, 1091.

curing of 19: 1064 *sqq.*

dependence of white men on 19: 1101-1105.

feast at harvest time of 19: 1091.

food of the Chippewa 44: 306.

foreign habitat of 19: 1036 *sq.*

gathering of 19: 1061-1064; 44: 313 *sqq.*

general habitat of 19: 1028.

habitat of, by States 19: 1028-1033.

habitat of, in wild rice district 19: 1033-1036.

harvest, religious observances connected with 19: 1091.

importance of, to fur trade 19: 1101-1104.

importance of, to Indians 19: 1096, 1097, 1098, 1100 *sq.*

in Menomini tribal organization 19: 1090-1093.

in Ojibwa tradition 19: 1057 *sq.*, 1093 *sqq.*

Wild Rice—Continued

- in Potawatomi tribal mythology 19: 1091 *sqq.*
- in Winnebago tribal mythology 19: 1091.
- influence of, on geographic nomenclature of 19: 1042, 1115–1126.
- mention of 33: 67.
- natural enemies of 19: 1026.
- nutrition of 19: 1080–1083.
- periods of consumption of 19: 1086 *sqq.*
- planting of, in England 19: 1037.
- popular description of 19: 1025.
- popular synonyms for 19: 1022 *sq.*
- pounding of 44: 315.
- property right in 19: 1072 *sq.*
- reasons for first use of 19: 1113 *sq.*
- reliability of crop of 19: 1095, 1099 *sqq.*, 1114.
- scientific description of 19: 1025.
- scientific synonyms for 19: 1021.
- social and economic interpretations of, in its influence on the Indian 19: 1089–1114.
- sowing of 18: 1057 *sq.*
- storage of 19: 1071 *sq.*; 44: 316.
- thrashing of 19: 1066–1070.
- treading of 44: 316.
- use of 44: 294, 306, 318; 46: 584.
- value of, per bushel 19: 1078.
- villages, Dakota 19: 1045, 1046, 1047.
- villages, Ojibwa 19: 1043.
- weight of, per bushel 19: 1075.
- winnowing of 19: 1070 *sq.*

See also Rice.

Wild Rice District

- Indian population in 19: 1106–1114.

See also Wild Rice.

Wild Rice Gatherers, memoir on 19: LII *sqq.*, 1013–1137.**Wild Rose**

- medicinal use of 27: 584.
- mention of 33: 85.

Wild Sarsaparilla. *See* *Aralia nudicaulis*.**Wilderness Road**

- laid out by Bone 42: 782.
- mention of 42: 793–800.
- old road called 42: 803.

Wilderness Trail, distinct from Wilderness Road 42: 793.

95719°—33—73

Wilderness Worship, account of 14: 946.

Wilding, Anthony W., work of 41: 44, 73, 95, 116; 42: 19; 43: 5, 19; 44: 18; 45: 19; 46: 16; 47: 14; 48: 21.

Wiley, —

- report on Indian affairs by 18: 789.
- selection of reserves by 18: 832, 887.

Wiley, Doctor —, pottery clay analyzed by 26: 125.

Wiley, H. W., analysis of peyote by 17: L.

Wiley, Thomas, raid on home of 42: 771.

Wilhauer, George, killed at Wounded Knee 14: 871, 876.

Wiliko, a brown-red pigment 38: § 28.

Wilkerson, William N., commissioner to appraise Indian lands 5: 363.

Wilkes, B. B., steatite quarry on farm of 15: 132.

Wilkes's Expedition

- maskettes collected by 3: 118.
- masks collected by 3: 113, 114, 119:

Wilkes County, N. C.

- mounds in 5: 71, 72.
- pottery of 20: 145, 148 *sq.*

Wilkesbarre, Pa.

- design from vessel from near 20: 171.
- pottery from vicinity of 20: 165 *sqq.*

Wilkesboro, N. C., petroglyphs at 10: 98.

Wilkins, Bishop —, on philosophic language 1: 288.

Wilkins, Captain —, mention of 46: 38.

Wilkins, Charles, on Kentucky mummies 1: 133.

Wilkinson, General —, mention of 42: 813.

Wilkinson, James, commissioner for Cherokee treaty 5: 184.

Wilkinson, William I., mound on land of 12: 123.

Will, progressive leader 19: 83.

Will West, collection of Cherokee songs and words prepared by 7: 317.

Will, G. F., and Spinden, H. J., quoted on Siouan migrations 37: 49 *sq.*

- Willamette Valley Indians** land cessions and reservations 18: 800, 818.
- Willapa Tribe**
coiled basketry of 41: 134.
mention of 41: 136.
- Willay** land cessions and reservations 18: 786.
- Willet, Thomas**, purchase of land by 18: 607.
- Willett, Col. Marinus**, on racket 24: 607.
- Willewah**, mention of, by Lewis and Clark 14: 745.
- William, Chief**, mention of 45: 270.
- William II, King of Wurttemberg**, International Congress of Americanists received by 26: xi.
- Williams, —**
acknowledgments to 18: 22.
on De Soto's route 19: 193, 198.
- Williams, A. G.**
affidavit of 15: 335.
contract with, for Casa Grande repair 15: 334.
- Williams, B. O.**, mention of 1: 326.
- Williams, Charlie**
on cat's cradle, Makah 24: 776.
on string trick, Makah 24: 762.
on tops, Makah 24: 749.
- Williams, C. F.**, shell gorgets collected by 2: 282.
- Williams, Eleazer**
effect of Stambaugh treaty on 14: 30.
sketch of 14: 23 sq.
- Williams, E. H., jr.**, on Eleazer Williams 14: 23 sq.
- Williams, F. P.**, mention of 46: 31, 75, 80, 116.
- Williams, G. H.**, report on rhyolite by 15: 74.
- Williams, L. D.**, vocabulary obtained from 18: XLIII.
- Williams, Sir Monier**, on Parsee burial 1: 104.
- Williams, Roger**
Indian policy of 18: 619-622.
on games of the Narragansett 24: 80 sq., 231, 699.
on Indian regard for crows 14: 982.
on the name wampum 2: 236.
on use of shell money 2: 236.
reference to 43: 214.
- Williams, S. A.**, collection made by 44: 18.
- Williams, Thomas A.**, on value of duck to Indians 19: 1098.
- Williams, Willis**, mound on land of 44: 407.
- Williams River**, rock carvings on 4: 29.
- Williamson, Rev. Doctor —**, cited 4: 119.
- Williamson, Col. Andrew**
expedition under 19: 49 sq.
presence of Catawba with 19: 381.
- Williamson, Dempsey**, mounds on land of 12: 142.
- Williamson, John R.**
on Dakota gathering wild rice 19: 1062.
on Dakota thrashing wild rice 19: 1069.
on Dakota tying wild rice 19: 1058.
on Dakota use of wild rice 19: 1047.
- Williamson, T. S.**, on early Dakota habitat 15: 190.
- Williamson County, Tenn.**
Indian remains in 41: 496, 559.
Indian settlements in 41: 561.
- Williamson Valley, Ariz.**
references to 28: 204, 207.
ruins in 28: 216.
- Willing, August**, mounds on farm of, Missouri 12: 169.
- Willis, Bailey**, collaboration of 34: 26.
- Will-o'-the-Wisp** in Cherokee lore 19: 476.
- Willoughbeia Acida** for diarrhoea 38: § 927.
- Willoughby, C. C.**
acknowledgment to 29: 12.
material collected by 24: 406.
on ring and pin, Penobscot 24: 541, 542.
on snow-snake, Penobscot 24: 406 sq.
- Willoughby, Lieut. Hugh L.**, material collected by 24: 608.
- Willoughby, W. F.**, acknowledgment to 25: 103, 110.
- Willoughby, W. W.**, paper by, on survivals of ancient Indian symbolism 20: 101.

Willow

bark, Eskimo implements made of
18: 124, 187.

collection and ceremony over 23:
571.

Eskimo implements made of 18:
288.

framework of Pima *ki* 26: 154.

in basketry 26: 135.

long leaf, use of 45: 498.

medicinal use of 42: 659; 45: 471.

mention of 33: 73.

mystic character of 33: 57.

red, medicinal use of 42: 655, 668.

root, Eskimo ceremonial objects
made of 18: 398.

root, Eskimo implements and uten-
sils made of 18: 111, 145, 171.

tree, a symbol of life 39: 195.

twigs, Pawnee use of framework of,
as mold 20: 59.

use of 44: 292.

use of, as medicine 30: 42.

use of, for basketry 30: 81.

use of, for prayer sticks 47: 275.

use of, for toasting-forks 30: 70.

use of, in manufactures 45: 499.

wands, use of, by Hopi *kateinas* 21:
50.

wands, use of, in roof construction
8: 150.

See also **Salix; Willow Baskets; etc.**

Willow Baskets, use of, as molds,
Eastern United States 20: 58.

Willow Creek Indians, a Lohim syn-
onym 14: 743.

Willow Saplings

seven, a war symbol 36: 100, 101.

seven, meaning of 36: 92.

use of, in ceremony 39: 148, 276.

Willow Weed, used medicinally 45:
468.

Willstown

Cherokee refugees at 19: 55, 209.

establishment of mission at 19:
105.

Will-Ushi'. *See* **Thomas, W. H.**

Wilsini'. *See* **Spray, H. W.**

Wilson, —

on carving of tropical animals 2:
142.

on Rutherford's route 2: 143.

on the conch shell (*Pyrula*) 2: 143.

on the swastika 19: 840.

Wilson, Billy, Caddo delegate to
Wovoka 14: 903.

Wilson, Dr. Daniel

cited 12: 527, 675, 683.

identification of mound-builders
with Aztecs by 12: 599.

mention of 46: 231, 232, 237, 331,
332, 333, 335, 342, 373.

on belief regarding certain tablets
12: 564.

on Grave Creek tablet 12: 632.

on stone collars from Scotland 25:
168.

publication of illustration of Lower
Mississippi Valley ware by 20:
103.

Wilson, David, employer of Wovoka
14: 765.

Wilson, Rev. Edward F.

on amusements of Blackfeet 24:
56.

on hand game, Sarsi 24: 272.

on hoop and pole, Sarsi 24: 460.

on meaning and use of "meno" 19:
1024.

on meaning of Ojibwa words 19:
1061.

on Ojibwa wild rice moon 19: 1089.

on poplar synonym for wild rice
19: 1023.

Wilson, Howard, material collected
by 24: 283.

Wilson, H. V., on wild rice in North
Carolina 19: 1031.

Wilson, Jack, name applied to Wovo-
ka 14: 765.

Wilson, John

acknowledgment to 14: 655.

See also **Moon Head.**

Wilson, R. N.

material collected by 24: 85, 271,
448.

on hoop and pole, Piegan 24: 448.

Wilson, Thomas

archeologic collection of 15: 18.

arrowheads classified by 45: 94 *sq.*

examination of quarry shops by
15: 52.

mention of 46: 373.

objects purchased from 30: 22.

on District of Columbia archeology
15: 31.

paleolithic man discussed by 15:
30, 31.

- Wilson, W. F.**, steatite quarry on farm of 15: 127.
- Wilson, N. C.**, pottery of 20: 149.
- Wilson County, Tenn.**, remains in 41: 496.
- Wimbee Indians**, sale of land by 18: 631.
- Wiminuchi Uta** land cessions and reservations 18: 848, 892, 894.
- Winabojo**
a Chippewa deity 44: 381.
stories of 44: 381-386.
- Winans, —**, on the Nespelim and Sanpoil 14: 733.
- Winā'tshipūm.** *See* Piskwaus.
- Wiñba**, home of Kacina clan 19: 607.
- Winchell, N. A.**, glass beads in mounds found by 12: 715.
- Winchester, James**
commissioner for Cherokee boundary 5: 165.
survey by 18: 649, 695.
survey of Cherokee boundary line by 5: 154.
- Winchester, Va.**, trail through 42: 761.
- Wind**
a man-being in Iroquoian cosmology 21: 174, 224, 232, 233, 235.
as a supernatural 47: 342.
beliefs concerning 11: 267, 380, 410, 423, 446, 514, 523.
called by father or mother of twins 35: 631.
Creek conception of 42: 487.
effect of, on maize crop 16: 217.
Eskimo legend of origin of 18: 497 *sq.*
Greek idea of 1: 24.
in Mexican mythology 16: 221.
in Pima legend 28: 43, 60.
in Pima mythology 26: 239, 249, 343 *sq.*, 348 *sq.*, 377.
in Pima song 26: 297 *sq.*, 303, 308, 314 *sq.*, 317, 324.
in Tlingit mythology 26: 453.
Indian explanation of 1: 23.
makers of Siouan mythology 11: 536.
mystic origin of 14: 92.
myths concerning 3: LXXI.
Norse idea of 1: 24.
- Wind—Continued**
regard for, in Hako ceremony 22, ii: 59.
sickness caused by 42: 651.
spring, a man-being in Iroquoian cosmology 21: 174.
symbol in Mexican hieroglyphs 16: 216, 217, 219, 222, 249, 252.
symbol in the codices 16: 232.
terms relating to 29: 59.
treatment of 22, ii: 29, 30.
See also Winds.
- Wind Clan**
associations of 42: 145, 155.
native names for 42: 115.
of the Natchez 42: 118.
privileges of 42: 169 *sq.*
story concerning 42: 110, 111, 112.
- Wind Flower**, mention of 33: 82.
- Wind Gens**
mention of 36: 118.
personal names of 43: 142 *sq.*
- Wind God**
in Hindu mythology 16: 221.
Onondaga name for 32: 67.
See also Wind Gods.
- Wind Goddess of the Hawaiians** 33: 316, 643, 650, 651.
- Wind Gods**
of the Mexicans 16: 216.
reference to 28: 42.
See also Wind God.
- Wind Instruments** of ancient Chiriqui 6: 160-171.
- Wind Magician**
in Pima religion 26: 251.
in Pima song 26: 291.
- Wind-Man** in Pima legend 28: 47 *sq.*
- Wind People**
mention of 32: 61.
See also Kansa.
- Wind Power**, use of 20: XLII.
- Wind River Military Reserve**, establishment of 18: 924.
- Wind River Mountains**, rock carvings near 4: 24.
- Wind River Reserve**
changes in 18: 858, 878.
establishment of 18: 850.
- Wind River Valley, Wyo.**, petroglyphs in 10: 128 *sq.*
- Wind Subgens.** *See* Tade'ata.

- Windbreak** of the Arapaho 14: 957.
Windmill Ranch, reference to 28: 195.
Window, doorway and chimney in one 8: 121.
Window Openings
 in Casa Grande 13: 314.
 in cliff outlook 16: 148.
 of cavate lodges 13: 222, 251.
 See also **Openings**.
Windows
 of various kinds, description of 8: 194, 201.
 of the Zuñi 30: 36.
 See also **Doorway; Opening; Window Openings**.
Winds
 Hopi notions concerning 15: 303.
 in ceremony of turning the child 27: 117, 119 *sqq.*
 in Osage legend 27: 63.
 life-giving power of 27: 45, 198, 578, 587.
 offering to the 15: 303.
 primitive conception of 15: 182.
 reference to 27: 199.
 representation of, on Eastern United States pottery 20: 106.
 rites connected with 27: 66, 169.
 sacred regard for 15: 183.
 See also **Wind**.
Winds, Four
 appeals to, for aid 39: 281.
 in religious rites 39: 309.
Windstorms, belief concerning 47: 487.
Winfield, Tenn., trail at 42: 843.
Winfield, W. Va., remains below 42: 755.
Wing
 designs representing 20:
 Appalachee-Ohio pottery 180.
 Florida Peninsula pottery 123.
 Gulf Coast pottery 107, 110, 114.
 Middle Mississippi Valley pottery 95.
 South Appalachian pottery 140.
 Serian and Yuman names for 17: 332* *sq.*
 See also **Wings**.
Wingebone, sale of land by 18: 594.
Winged Pigweed, use of, to confuse enemy 30: 84.
Wingfield Estate, midden on 34: 159.
Wingra Mounds, effigies 37: 99.
Wings
 constructed in court of Pueblo Bonito 8: 70.
 imitation of, by feathers 21: 25, 27.
 of vase from Franklin County, Florida 20: 111, 112.
 See also **Wing**.
Winima, home of Calako 19: 612.
Winjage, an Omaha village 13: 270.
Winkles
 gathering of 35: 509.
 preparation of 35: 509.
Winnebago
 absence of Ghost dance among 14: 816.
 account of the 15: 195.
 at Braddock's defeat 14: 16.
 attack on, by Illinois 37: 54 *sq.*
 augury by 27: 415.
 beliefs of the 11: 366.
 ceremonies of, similar to Fox 40: 504.
 ceremony, Ojibwa embellishment of 14: 62.
 coloring matter used by 10: 221.
 cults, description of 11: 423.
 curing wild rice by 19: 1065.
 customs concerning adoption 37: 128, 139.
 customs concerning berry time 37: 116.
 customs concerning birth 37: 126.
 customs concerning burial 37: 140-155.
 customs concerning "counting coup" 37: 158.
 customs concerning marriage 37: 138 *sq.*
 customs concerning puberty 37: 135-138.
 customs concerning social conditions 37: 126-139.
 customs concerning war 37: 158-161.
 customs of Bear Clan 37: 227 *sq.*, 148-153.
 customs of Buffalo Clan 37: 154 *sq.*
 customs of Wolf Clan 37: 238.
 divisions of the 15: 162.
 early status of the 14: 19.

Winnebago—Continued

- effect on Menomini ceremonial 14: 109.
- first historic mention of 19: 1052.
- first meeting of, with whites 37: 53.
- former habitat of 7: 111, 112.
- games of the 24:
 - dice games 189
 - hand and foot ball 705, 708.
 - hidden ball 366 sq.
 - racket 562, 615 sq.
 - ring and pin 528, 557.
 - running races 809.
 - stick games 241.
- gentes of the 15: 240.
- grass mats of the 13: 275.
- habitat of, in 1634 14: 15.
- habitat of, in about 1885 7: 116.
- in wild rice district 19: 1051.
- land cessions and reservations 18: 710 sqq., 716 sqq., 722, 724, 736, 768, 780, 804, 820, 826, 834 sqq., 926.
- land claims of the 14: 25.
- land treaty 14: 27.
- language, work on dictionary of 15: LXIV, LXVII.
- lodges of, description of 13: 271.
- manuscript on the 30: 24.
- medicine, ceremonial, description of 14: 110.
- migration of the 15: 198.
- mode of addressing Delawares 19: 497.
- mourning color of the 10: 630.
- music, study of 45: 10.
- mythic animal of the 10: 482.
- myths of the, recorded 15: xxxix.
- name applied to English by 27: 611.
- name for themselves 37: 53.
- Omaha name for the 27: 102.
- on popular synonym for wild rice 19: 1023.
- origin of name 14: 205.
- personal names of, list obtained 10: xix.
- physical character of 14: 25.
- pictographic notice by 10: 334.
- population of the 7: 118; 19: 1108, 1109, 1110.
- population of the, consuming wild rice 19: 1053.

Winnebago—Continued

- Potawatomi prophet among the 14: 706.
- prophecy of the 14: 661.
- prophet among the 14: 700.
- record of battle by the 10: 558 sq.
- references to 27: 78, 581.
- researches concerning the 11: xxxi.
- reservation for the 27: 623 sq., 625.
- sacred songs of the Iowa in 6: 396.
- separation of, from Siouan kindred 37: 50, 52.
- signs of exploit by 10: 440.
- study of the 14: 654.
- symbolic earth formations of 11: 427.
- territory occupied by the 37: 52, 76 sqq., 80.
- texts, collection of 15: xxv, LIII, LXI, LXXXIV.
- thrash wild rice by flailing 19: 1059.
- tribal names, history, migrations, and settlement of 19: 1051 sqq.
- tribes once composing 37: 52.
- visit to the 14: 767.
- witchcraft among the 14: 143.
- Winnebago County**, effigy mounds in 37: 98.
- Winnebago Songs**, recorded 47: 9.
- Winnemucca**, a Paiute chief 14: 1048.
- Winnibigoshish, Lake.** *See* **Lake Winnibigoshish.**
- Winnimen**, stick games of the 24: 241.
- Winningham Rock**, mortar holes at 41: 498.
- Winnipeg** water system, wild rice in 19: 1035.
- Winnowing**
 - wild rice 19: 1070 sq.
 - wild rice, mechanical means used in 19: 1071.
- Winona**, significance of names 11: 532.
- Winship, George Parker**
 - acknowledgments to 17: 527; 33: 32; 34: 24.
 - Castañeda's *Narrative* translated by 17: 596.

Winship, George Parker—Contd.

- cited as to Coronado expedition 28: 53.
- contributor to Bureau 48: 1189.
- memoir by, cited 16: LIV.
- memoir by, on Coronado expedition 14: L, LIV, 329-613.
- mention of 21: x; 32: 29.
- obituary of 48: 1221.
- on Coronado 19: 599.
- on Coronado expedition 17: 53 *sq.*
- publication of memoir by 17: LVI.
- work of 18: XLVI; 19: XXX.

Winslow, E., relation by, concerning Indian records 10: 250.**Winslow, Ariz.**

- date of work near 22, i: 17.
- reference to 28: 218.
- ruins between Hopi pueblos and, description of 22, i: 34-56.
- ruins near, description of 22, i: 25-34.
- ruins near, former inhabitants of 22, i: 24 *sq.*
- ruins near, identification of, as Homolobi 22, i: 22.
- ruins near, location of 22, i: 23.

Winson, Jack, name applied to Wovoka 14: 765.**Winsor, Justin**

- acknowledgment to 14: 339, 413, 599.
- on Davis's *History* 19: 202; 25: 31.
- on De Luna's expedition 19: 201.
- on De Soto's route 19: 191, 193, 198.
- on early Spanish settlements 19: 27.
- quotations from 14: 501.

Winstanley, W., cited on cords worn by Abyssinians 9: 560.**Winston-Salem, N. C., trail near 42: 777.****Winter**

- chronometric use of, by Eskimo 18: 234.
- pictographs for 10: 605 *sq.*
- stores of Eskimo 18: 268.

Winter Ceremonial

- as marriage gift 35: 848.
- as marriage price 35: 1081.
- chiefs discuss secrets of 35: 907-912.
- clover eaten during 32: 188.

Winter Ceremonial—Continued

- food for 35: 285, 289, 299.
- given to escape punishment 35: 1152.
- joking in 35: 1162.
- meeting before 35: 914-917.
- mention of 35: 342, 560, 564, 733, 756, 851, 895, 952, 959, 965, 978, 996, 1131.
- secret meetings for 35: 1151.
- See also* Dance.

Winter Ceremonies of Tusayan 15: 254.**Winter Clans**

- of the Zuñi 13: 426.
- Zuñi mythic origin of 13: 384.

Winter Council House. *See* Tcokofa.**Winter Counts**

- comparison of 10: 270.
- history and explanation of 10: 266-273.
- mention of 4: 88-146, 191, 207.
- of the Dakota Indians 10: 266-328.
- pictographs from 10: 273-328, 380-387, 447-465, 494 *sq.*, 503, 523, 535-538, 540, 547, 553 *sq.*, 561 *sq.*, 567-570, 578-581, 585-598, 600-605, 634, 642, 650-661, 716 *sq.*, 721, 751.

See also Calendars.**Winter Dance**

- as a marriage gift 35: 876.
- ceremonial, recent development of 35: 1167.
- house 35: 1198.
- house, names of 35: 1150.
- house, speaker of 35: 1158.
- house, supernatural gift 35: 945.
- mention of 35: 1083.
- performed for four winters 35: 1219.
- song 35: 1210.
- spirits, driving away of 35: 1160.

Winter Dancers, mention of 35: 342.**Winter Feast. *See* War-bundle Feast.****Winter Flute Paholawû, description of 21: 23, 29, 30.****Winter God, activities of 32: 64.****Winter Lakone Paholawû**

- description of 21: 39.
- fraternities taking part in 21: 23.

- Winter Marau Paholawû**, description of 21: 23, 55.
- Winter Names** 35: 786, 895, 899, 914, 1084.
- Winter Prayer-stick-making**, resemblance of, to that of summer 21: 56.
- Winter Sage**, use of, in medicine 30: 51.
- Winter Season**, personification of 32: 63.
- Winter Snake Ceremony**, fraternities taking part in 21: 23.
- Winter Solstice**
in Tewa conception 29: 47.
observance of 47: 85.
time of 47: 289.
See also **Winter Solstice Ceremony**.
- Winter Solstice Ceremony**
Hopi 21: 24, 25.
of Walpi, appearance of Ahûlani in 21: 122.
worship of war gods in, in Hano 21: 25.
See also **Soyaluña; Winter Solstice**.
- Winter Sun Prayer-stick-making**, fraternities taking part in 21: 23.
- Wintergreen**.
beverage made from 44: 317.
use of 44: 289.
See also **Gaultheria Procumbens**.
- Winthrop, Governor** —, policy of 43: 462.
- Winthrop, John**, quoted on Indian right to soil 18: 603 sq.
- Winthrop, Mass.**, pottery from 20: 168, 179.
- Wintun**
games of the 24:
double ball 658.
hand games 283.
tattooing among the 4: 64.
- Winuta (Flute)**, *Chief*, description of, and renewing of tiponi by 19: 1003 sq.
- Wiogufki**
allocation of clans in beds at 42: 201–204.
arrangement of square ground of 42: 213, 227, 228.
clan councils of 42: 124.
- Wiogufki—Continued**
clans of, furnishing chiefs and henihās 42: 192, 194.
clans, phratries and moieties of 42: 158 sq.
plan of ceremonial ground of 42: 229.
position of beds at 42: 198.
Upper Creek White town 42: 124, 254.
- Wiokee King**, Wiwohak chief 42: 322.
- Wipo Spring** in Tusayan 17: 639.
- Wiqq, Mrs.**, Tlingit interpreter, work of 26: 419.
- Wireless** at Barrow 46: 108.
- Wi'sa 'kă'ä'**
reference to 40: 37, 57, 364, 365, 366, 391.
See also **Culture Hero**.
- Wisconsin**
antiquities of 12: 47–77.
archeology of 12: 47–98.
Barron County, mounds of 12: 94–98.
bird-shape stones from 13: 126.
bunts from 13: 169.
Caseville, works near 12: 84 sqq.
celts from 13: 75, 77, 79.
character of pottery of 20: 22.
chipped flints from 13: 144, 146, 147, 148, 149.
Crawford County, Courtois group 12: 63–67.
Crawford County, Sue Coulee group 12: 75.
discoidal stones from 13: 108.
distribution of stone art in 13: 61.
early history of 14: 14.
earthworks near Eastman 12: 52, 54.
effigy mounds in 4: 61.
field work in 21: ix; 22, i: ix.
Grant County, antiquities of 12: 83–93.
Hagen Corners, earthworks at 12: 55–58.
Lynxville, Armstrong group near 12: 73, 74.
Lynxville, Polander group near 12: 69, 73.
mound group 12: 47.

Wisconsin—Continued

- mound group near Madison 12: 46, 47.
- mounds in 5: 10, 14-23.
- mounds in, on land of Joseph Flücke 12: 72.
- petroglyphs in 10: 126 *sqq.*
- pipe from 13: 131.
- pottery of 4: 428, 429; 20: 188, 192, 195.
- Prairie du Chien, Dousman mound 12: 68.
- Prairie du Chien, Flücke group near 12: 72.
- Prairie du Chien, mounds in vicinity of 12: 47, 50, 63, 68, 69, 72, 74.
- Rice Lake mounds 12: 94, 96.
- Rock County, antiquities of 12: 98.
- Sheboygan County, antiquities of 12: 93.
- Slaumer's land, mounds on 12: 62.
- stemless perforators from 13: 166, 167.
- stemless scrapers from 13: 170.
- stemmed flints from 13: 151, 153, 154, 155, 157, 158, 159, 161, 162, 163.
- stemmed scrapers from 13: 169.
- Vernon County, antiquities of 12: 77-84.
- White, H., mounds on land of 12: 79.
- wild rice industry in 21: XIX.
- work in 7: XVII; 9: XXVI.
- Wyalusing, works near 12: 87-91.

Wisconsin Historical Society Manuscript Collection, on importance of wild rice to the Indians 19: 1096.

Wisconsin Indians (Ouisconsins), population of, in 1764 19: 1108.

Wisconsin River, wild rice in 19: 1034.

Wisdom, D. M.

- on acts of Dawes commission 19: 154.
- on Cherokee population and acreage 19: 157.
- on intention of United States to open Indian territory 19: 154.
- on intruders in Indian territory 19: 154.

Wisdom, D. M.—Continued

- on Mexican encouragement of emigration scheme 19: 156.
- on population of Indian territory 19: 155.

Wise, —, opposition to removal project by 19: 129.

Wise, Henry A., policy toward Cherokee denounced by 5: 288, 289.

Wise, William, mounds on farm of 12: 163.

Wiseman, Cardinal

- on gesture of blindness 1: 278.
- on Italian signs 1: 408.

Wisham, a Tlaqluit synonym 14: 740.

Wishbone Pattern Fan 38: § 268.

Wishham

- a Tlaqluit synonym 14: 740.
- a Wushqûm synonym 14: 738.
- See also Yakima.*

Wishing, association of, with vision 30: 135, 301.

Wishoshkan Stock

- Batawat tribe of the 24: 199, 266, 664.
- implements employed by, in stick games 24: 227.
- mention of 7: 132 *sq.*

Wishram Indian

- a Tlaqluit synonym 14: 740.
- caps worn by 41: 354.
- designs made by 41: 357.
- mention of 41: 136.
- woven basketry of 41: 354, 357.

Wislizenus, A.

- on Jemez 29: 402.
- on San Ildefonso 29: 305.
- stone examined by 12: 138.

Wissler, Dr. Clark

- acknowledgment to 29: 13.
- mention of 41: 374; 46: 166, 331, 333, 347.
- on hoop and pole, Teton Dakota 24: 508.
- on linguistic differences among Algonquian tribes 28: 229.
- permit requested by 27: 11.
- work of 37: 26; 41: 40.

Wisswham, a Tlaqluit synonym 14: 740.

Wistar, Thomas, commissioner to treat with Indians 5: 341.

- Wistar Institute**, Philadelphia 46: 255, 318, 320.
- Wi-ta-pa-ha**, a Kiowa synonym 17: 150.
- Witapäh'hat** or **Witähpähät**, a Kiowa synonym 14: 1078; 17: 150.
- Wi'tapähä'tu** or **Witapähä'tu**, a Kiowa synonym 14: 1078; 17: 149, 152.
- Witapäh'tu**, a Kiowa synonym 14: 1078.
- Witapi'u**, a Cheyenne division 14: 1025.
- Witch**
 in the shape of a dog, Iroquois account of 2: 73.
 Iroquois myth of 2: 71, 77.
 transformation, Iroquois account of 2: 74.
 See also **Witches**.
- Witch Birds**, *Crotophaga major* 38: § 601.
- Witch Bundle**
 burial of 47: 210.
 contents of 47: 310, 311.
- Witch Chief**, actions of 47: 310.
- Witchcraft**
 absent from the Omaha 27: 583, 602.
 among the Kwakiutl 35: 572, 862.
 among the Pacaxes 14: 514.
 among the Tlingit 26: 469 *sqq.*
 belief in 7: 39; 42: 345 *sq.*, 631-636; 44: 269; 46: 493 *sq.*; 47: 204, 205, 242 *sq.*
 bones used in 30: 149, 159.
 Cherokee belief in 19: 138, 452.
 Cherokee law against accusations of 19: 138
 death caused by 47: 482.
 description of a trial for 23: 398-406.
 effect of, on Zuñis 23: 392, 393.
 effect of the charge of, on a sun priest 23: 393.
 Eskimo belief in 18: 422, 440, 441.
 how practiced 31: 477.
 in savagery 15: cxiv.
 Indian crusade against 14: 673.
 Indian thought and customs, necessary knowledge of 23: 406, 407.
 Iroquois account of a case of 2: 72.
 mother and son charged with 23: 395, 396.
- Witchcraft**—Continued
 Nai'whi, faith of, in evidence of 23: 406.
 persons usually accused of 23: 394.
 practice of 44: 210.
 practice of, in savagery 16: 21.
 primitive 11: 19, 68, 517.
 procedure in the accusation of 23: 393.
 punishment for 39: 39, 40, 41, 353; 42: 631, 632, 633 *sq.*, 635; 44: 218; 47: 479.
 remedy for victim of 42: 667.
 saving of one supposed dead from 23: 397, 398.
 stories of, told by members of Badger clan 23: 394, 395.
 suspicious case of 23: 395.
 symptoms of 42: 653 *sq.*
 tales of 47: 425-443.
 Tewa belief in, intense 31: 14.
 theurgists, objects extracted from patients by 23: 396.
 Wyandot law for 1: 67.
 young mother, witch story told by 23: 395.
 See also **Jugglery**; **Kanaima**; **Medicine Men**; **Sorcery**; **Witches**.
- Witches**
 and witch charms, Iroquois myth giving origin of 2: 69.
 beliefs concerning 47: 108, 120, 121.
 capture of 47: 124, 340.
 coming of 23: 29 *sqq.*
 condemnation of supposed 23: 396, 397.
 demand the lives of two children 23: 30.
 doctor's fight with 47: 121.
 folktale of 43: 245.
 in Cherokee myth 19: 244, 401 *sqq.*
 in Menomini myth 14: 233.
 method of punishing 23: 394.
 power of 42: 632, 633.
 sickness caused by 47: 108, 123, 340.
 treatment of 47: 278, 533.
 See also **Mythology**; **Witch**; **Witchcraft**.
- Wives**
 bringing up of 30: 182.
 burial of, with husbands 30: 149, 157.

Wives—Continued

Indian custom of exchanging 19: 456.

redress of 30: 207.

warning to, legend of 30: 316 *sqq.*

See also **Widow; Wife; Woman.**

Wiwohka

allocation of clans in beds at 42: 201-204.

arrangement of square ground of 42: 215 *sq.*, 239, 240.

clan councils of 42: 124.

clans of, furnishing chiefs and benihas 42: 192, 194.

clans, phratries and moieties of 42: 158 *sq.*

origin of the town 42: 357.

position of beds at 42: 198.

Upper Creek White town 42: 124, 254.

Wiyot, arrow chipping of 13: 140.

Wizard

curing of 42: 635.

Eskimo 9: 430 *sq.*

magic power of 44: 270.

power of 42: 632, 633.

punishment of 44: 271, 272.

See also **Medicine Men; Shaman.**

Wizard Rite, connection of, with adoption feast 40: 357.

Woccon, former habitat of 7: 114.

Wockucoy King, Wakokai chief 42: 322.

Woe

description of 21: 66, 67.

part taken by, in Pamürti festival 21: 29.

participation in Powamû festival by 21: 67.

Woe Katcinas

appearance of, in Palülüköñti 21: 52.

personation of, in Wikwaliobi 21: 30.

Wóifdóish, death of 17: 295.

Woiniss-atte, Menomini treaty signer 14: 28.

Wojaji Band, rebellion of, predicted 14: 800.

Woksi Clan, story concerning 42: 109.

Woksi Miko

information from 42: 544.

myth related by 42: 70.

Wolasi land cessions and reservations 18: 782.

Wolf

a man-being in Iroquoian cosmology 21: 174.

among the Pima, in mythology 26: 217.

among the Tlingit 26:

crest animal 415, 420, 423, 455.

Haida and Tlingit names for 476.

house group name 404, 406.

in mythology 453, 461, 467.

mask of 436.

source of personal names 405, 406, 407, 422.

as helper of man, Omaha, Ponca 27: 445 *sq.*

belief concerning 42: 490.

carving of 35: 820, 856, 1119.

Eskimo ceremonial objects made from hair of 18: 416.

Eskimo method of hunting and trapping 18: 121 *sqq.*

Eskimo method of killing 18: 259.

Eskimo methods of hunting 18: 263 *sq.*

fetish of the Zuñi 2: 28.

in Caddoan mythology 14: 1093.

in Tewa conception 29: 43.

in war decorations 27: 441, 442.

mystic traits of 39: 290.

myths and lore concerning 11: 39, 263, 330, 477; 19: 245 *sq.*, 263, 264 *sq.*, 266, 272, 274, 278 *sq.*, 280, 289 *sq.*, 362, 434, 445, 448, 450, 451, 452, 453, 489.

painting of, on post 35: 811.

representation of, Florida Peninsula pottery 20: 124.

representation of, Iroquoian pipes 20: 174.

Serian, Yuman, and Pima names for 17: 342* *sq.*

special connection of, with man 27: 512.

story concerning 39: 124; 43: 355.

symbolism of 27: 171.

taboo against killing 42: 490.

See also **Wolfskin; Wolves; etc.**

Wolf Berry 33: 116.

Wolf Clan

customs of 37: 238.

Wolf Clan—Continued

- functions of 37: 201, 238.
- native names for 42: 115.
- of the Cherokee 42: 118.
- origin myth of 37: 238 *sqq.*
- origin of 42: 113.
- personal names of 37: 240.
- position of 37: 191.
- songs of 37: 240.
- story concerning 31: 306-316, 354 *sq.*; 42: 110.

Wolf Dance

- description of 42: 556.
- mention of 42: 534.
- of the Omaha 3: 248.

Wolf Disease, symptoms and treatment of 42: 642.**Wolf Dish** 35: 756, 805, 806, 812, 816, 840, 849, 864, 888, 962, 1023, 1040.**Wolf Fish**

- Eskimo implements for catching 18: 180 *sq.*
- Eskimo method of dressing skin of 18: 117.

Wolf Gens, reference to 40: 517.**Wolf Hair.** *See* Tó'edalte.**Wolf Hills**, now Abingdon 42: 759.**Wolf House-dish** 35: 1025.**Wolf Katcina.** *See* Kwewû.**Wolf-lying-down.** *See* Gúik'áte.**Wolf Masks** 35: 748.**Wolf Moss**, use of, in basketry 41: 145.**Wolf-Noise.** *See* Īsanā'naka.**Wolf People**, Kiowa name for Pawnee 17: 291.**Wolf Phratry**, *Tlingit*

- clans of 26: 398 *sqq.*
- crests of 26: 415-420.
- ground shark connected with 26: 458.
- history of 26: 407-414.
- personal names of 26: 422.
- procedure of, at potlatches 26: 435.

Wolf Rapids

- cession of reserve at 18: 734.
- reservation at 18: 675.

Wolf River

- treaty of 18: 792.
- wild rice in 19: 1034.

Wolf Skin

- Eskimo ceremonial objects made of 18: 417.
- Eskimo clothing made of 18: 31, 34 *sqq.*, 39, 62.
- Eskimo hunting bag made of 18: 167.
- Eskimo ornaments made of 18: 62.
- in Sacred War Pack 27: 413 *sqq.*
- value of, among the Eskimo 18: 232.

Wolf Songs

- mention of 39: 124-127, 290-294; 45: 571 *sqq.*, 606 *sqq.*
- in war parties 27: 410 *sq.*

Wolf, Totem, Eskimo representations of 18: 325.**Wolf Town**, purchase of 19: 161.**Wolff, T.**, mention of 46: 373.**Wolf's Moss**, use of 45: 501.**Wolf's Names.** *See* Īsanā'naka.**Wolf's Sleeve.** *See* Babi'pa.**Woll, Prof., F. W.**

- acknowledgment to 19: 1020.
- on chemical composition of wild rice 19: 1080 *sqq.*

Wollawollah, a Wallawalla synonym 14: 744.**Wollaw-Wollah**, a Wallawalla synonym 14: 744.**Wollpahpe Snake** land cessions and reservations 18: 836.**Wolpi**

- collections from 2: 375; 3: 587-592.
- specimens of woven fabrics from 2: 398.

Wolverine

- Haida and Tlingit names for 26: 476.
- in Tlingit mythology 26: 453.
- mention of 11: 327, 333, 345.
- popular conception of, Tlingit 26: 455 *sq.*
- trapping of 11: 281.

Wolverine Skin

- Eskimo clothing made of 18: 30, 31, 35, 36, 38, 40, 42.
- Eskimo hunting bag made of 18: 167.
- Eskimo ornaments made of 18: 62.
- Eskimo tobacco implements made of 18: 284 *sq.*

Wolverine Skin—Continued

value of, among the Eskimo 18: 232.

Wolves

an Arapaho division 14: 957.
dead hunter restored to life by 35: 748.

in Menomini myth 14: 115, 116, 172, 183, 201, 233.

novice brought back by 35: 744 sq.
on Great Plains 14: 528.

souls of land hunters go into 35: 727.

trapping of 46: 538 sq.

See also **Wolf**; **Wolf Skin**; **Wolverine**.

Wolves, River of the, name for the Neshoba 42: 46.

Womack, J. H.

acknowledgment to 41: 494.
mention of 41: 570, 603.

Woman

appeal by, for aid 39: 284.

as assistant of shaman 35: 721.

becomes man-eater 32: 232.

captives, Eskimo disposal of 18: 328, 329.

ceremonial duty of 39: 42.

ceremony performed by 39: 284, 285.

double, mythic 11: 480.

duty of 39: 288.

Eskimo account of creation of 18: 454, 456.

falls into hole and through the earth 32: 410.

follows husband 35: 783.

instructions to 39: 192-195, 283 sq.

man's first thrashing machine 19: 1066 sq.

married, visits father 35: 783.

part taken by, in ceremony 39: 54, 302.

position of, in tribe 39: 302.

religious significance of duties of 39: 288.

rooted to the ground 35: 1223.

selection of a fraternity father for a 23: 422, 423.

Serian and Yuman names for 17: 321*-324*.

sign for 1: 497.

theurgists, dancing of 23: 497.

See also **Women**; and references there.

Woman Chief, account of 46: 433 sq.

Woman Dancers, costume of, Zuñi 23: 566.

Woman-Heart

council participated in by, in 1872 17: 190.

deportation to Florida of 17: 215.

portrait of 17: 232.

surrender of 17: 206.

See also **Manyí-tén**.

Woman of Hard Substance, legendary Hopi being 28: 51.

Women

activities of 42: 700.

among Cherokee warriors 19: 395, 419, 501.

amusements of 27: 366 sq., 369 sq.
and the serpent Oroli, legend of 30: 378.

animals specially connected with 27: 512.

as basket makers 28: 147.

as chiefs 42: 696, 700.

as decoys in warfare 38: § 764.

as potters 28: 141.

as shamans 45: 196.

as *u'zhus* in Shell society 27: 516.

assistance of, in hunting 45: 243.

associated with priesthoods 47: 513.

attitude of men toward 42: 386.

bearers of "mark of honor" 27: 325, 327, 509.

burial of 46: 573.

busk names of 42: 614.

cabin allowed to 42: 191.

caps of 45: 235.

ceremonial obligation of 47: 478.

chastity of 30: 44, 160.

chiefs 38: § 750.

clothing of 27: 335 sq., 360, 519, 616; 45: 76 sq., 233 sq.; 46: 587.

condition and treatment of Eskimo 9: 413 sq.

condition of Indian 11: 269, 320.

costume of 47: 870 sq.

creator of 30: 126.

customs regarding 45: 288, 382; 46: 524.

dances exclusively for 42: 528.

dancing of 38: § 595.

dress of 42: 682 sq.

Women—Continued

- duties of, at great assembly 42: 312.
- employed as doctors 42: 614.
- excluded from head estufa 47: 72.
- exclusion of, from hunting 30: 194, 226.
- exclusion of, from sacred instruments 30: 138, 229.
- facial painting of 42: 686.
- feather garments of 42: 682.
- forbidden to handle binas 30: 282.
- friendship among 27: 318.
- functions of, in Pueblo ceremonies 14: 518.
- game brought home by 30: 294.
- game of ball by Omaha 3: 338.
- game played by 42: 468; 44: 244.
- hair dressing of 27: 352; 42: 684.
- Hethu'shka protectors of 27: 474.
- Heyoka 11: 471.
- Hopi, skill of, in painting 21: 15.
- house building by 8: 101.
- in buffalo hunt 27: 274, 277.
- in He'dewachi ceremony 27: 252, 253, 254, 259, 502, 507.
- in Sacred Pole ceremony 27: 241 *sqq.*, 247.
- in war 27: 403, 409, 411, 426, 603.
- Indian and Eskimo, Yukon 46: 161.
- influence of 47: 544.
- instruction concerning treatment of 37: 170, 175.
- killed at Wounded Knee 14: 876, 885.
- Kiowa, status of 17: 373.
- Kiowa war party accompanied by 17: 312.
- labor of 42: 384-388, 691; 47: 33.
- list of names of 44: 190; 46: 519.
- lodges of 45: 62.
- making of pottery by, in Eastern United States 20: 57, 58.
- making of pottery by, in Iroquoian province 20: 163.
- marriageable age of 46: 511.
- members of Snake society 19: 979.
- membership in societies of 27: 459.
- moral standard of 27: 323.
- myths concerning 11: 264, 480.
- names of 27: 145, 200.
- Navaho, status of 17: 485.
- No^a'zhi^azho^a rite optional with 27: 129.

Women—Continued

- obstinacy of, legend of 30: 272 *sq.*
- occupations of 27:
 - care and training of children 327-333.
 - cooking and foods 340 *sqq.*
 - mention of 203 *sq.*, 326, 339 *sq.*, 353, 615.
 - preparing skins 342-345.
 - quillwork 345 *sqq.*
 - weaving 347 *sq.*
 - work on dwellings 96, 97, 98.
- old, employed as midwives 42: 615.
- Omaha, lodges made by 13: 269.
- Omaha, tattooing of 45: 531.
- owners of houses 42: 79, 170, 171.
- part taken by, in ceremony 42: 422.
- part taken by, in initiation 47: 70.
- participants in Snake dance 16: 295.
- personation of, by men, in Hopi festivals 21: 41, 43.
- place for, at Lutcapoga 42: 210.
- place of, at ceremonials 42: 197.
- place of, in square ground 42: 188.
- position of, Hawaiian 33: 309, 617, 641, 652.
- position of, in basket making 41: 167.
- position of, in League of the Iroquois 43: 463.
- position of, in tribe 27: 313 *sq.*, 326 *sq.*, 337.
- prayers of 27: 599.
- presence of, injurious to wounded 27: 582.
- prohibited from seeing masks 15: 296.
- prominence of, in Seri funeral rites 17: 287*-292*.
- prominence of, in Seri socialry 17: 269*-274*.
- property of 42: 337; 47: 234.
- property rights of 27: 362 *sq.*; 45: 161.
- prostitution among 9: 419.
- regulations imposed upon 42: 358-362.
- regulations regarding 44: 220 *sq.*
- relation of, to work and labor 38: § 899-903.
- religious activities of 47: 543 *sq.*
- reward of, for bravery 42: 421.

Women—Continued

- roof building performed by 8: 102.
- separated from members during ceremonies 23: 571.
- separated from men 42: 384 *sq.*
- services of, in ceremonial groups 47: 255.
- singing of 27: 374.
- sitting posture of 27: 329.
- skins always dressed by 45: 154, 161.
- social standing of Omaha 3: 266.
- societies of, and kivas for, in Tusayan 8: 134.
- songs of 27: 320-323, 421.
- status of 45: 154, 161; 46: 433, 451, 455.
- status of, among the Assiniboin 15: 224.
- status of, among the Dakota 15: 222.
- status of, among the Kansa 15: 232.
- status of, among the Mandan 15: 241.
- status of, in medicine society 47: 544.
- sterile, attitude toward 42: 361.
- surrender of, by Indians 14: 499.
- taboos of 30: 303, 304, 319.
- tasks of, in ritual 47: 501.
- terms of relationship used by 42: 83.
- tips the property of 15: 177.
- torture of prisoners by 42: 417.
- transformation of, legend of 30: 172 *sq.*
- treatment of, as captives 46: 551, 552, 553.
- when admitted to kivas 8: 134.
- winter game of 47: 240.
- work of 14: 294; 40: 299, 301, 303, 339; 45: 293, 330, 485, 486, 624, 635; 46: 444, 505.
- work of, in kiva building 8: 129.
- work of, in Tusayan house building 8: 101, 102.
- See also* Adultery; Chastity; Child-birth; Girls; Man; Menstruation; Pregnancy; Virgin; Virginit; Virgins; Widow; Wife; Wife Beating; Wives; Woman.
- Women Doctors**, function of 47: 111.

Women's Dance

- at Eufaula busk 42: 581.
- brief description of 46: 564.
- description of 42: 571, 671.
- discussion of 42: 609.
- mention of 42: 578; 45: 192.
- performance of 42: 560 *sq.*, 574, 604.
- preparations for 42: 559 *sq.*
- songs accompanying 42: 597 *sq.*

Women's Game

- description of 46: 569 *sq.*
- of football, Eskimo 18: 336.

Women's Kivas, Eskimo 18: 108 *sq.***Women's Songs**, description of 27: 320-327.**Wonaγi're Uaṅkcik**

- characterization of 37: 441.
- identified with thunderbirds 37: 463.
- offering to 37: 429, 436, 463.

Wood, Major General —, expedition sent out by 42: 761.**Wood, Alvin**, on Osage gentes 15: 235.**Wood, Dr. George B.**, cited 30: 62.**Wood, George M.**, work of 16: LXXVII.**Wood, H. S.**, editorial work of 21: XXXII; 22, i: XXXVIII; 23: XLII; 24: XXXIII; 25: XXIII.**Wood, Rev. J. G.**

- on African surface burial 1: 125.
- on Fans of Africa devouring the dead 1: 182.
- on Maori wood carving 13: 72.
- on Obongo aquatic burial 1: 180.

Wood, Owen, acknowledgment to 29: 38.**Wood, William**

- description of shell pendants by 2: 256.
- on dice game, Massachuset 24: 73.
- on football, Massachuset 24: 698.
- on hubbub 24: 54, 230.
- shell implements mentioned by 2: 205, 207.
- shell ornaments mentioned by 2: 232.

Wood

- articles of, from Old Pecos 2: 419.
- beam of, from old court 2: 419.
- bending of 35: 70-76, 90, 164.

Wood—Continued

- carried by women 40: 303, 339.
- carving by the Eskimo 18: 196 *sq.*
- collection of, by fire-maker 23: 115.
- Eskimo ceremonial objects made of 18: 396-415.
- Eskimo houses made of 18: 241-263.
- Eskimo implements and utensils made of 18: 65-86, 88, 90-100, 103, 104, 107, 109, 114, 116, 123, 127 *sqq.*, 131-147, 152-163, 165, 167 *sqq.*, 171-174, 180, 181, 185, 186, 188, 190-196, 288.
- Eskimo musical instruments made of 18: 350 *sq.*
- Eskimo ornaments made of 18: 46-49.
- Eskimo surgical instruments made of 18: 310.
- Eskimo tobacco implements made of 18: 273-280, 282 *sqq.*
- Eskimo toys made of 18: 341-346.
- Eskimo transportation apparatus made of 18: 205-228.
- hardening of, in fire 35: 144, 148, 150.
- hardening of, with tallow 35: 144, 146, 148, 150, 151, 156, 165.
- hewn 46: 183.
- imitation of vessels of, in clay, Florida Peninsula 20: 128.
- implements of, in cavate lodgings 13: 224.
- in burials, decay of 46: 184.
- in Palatki ruin 17: 555.
- kinds of, used in Tusayan construction 8: 102.
- manufacture of pipes of, Eastern United States 20: 172.
- method of working, at Honanki 17: 571.
- objects of 45: 42 *sq.*
- objects of, from Honanki 17: 572.
- paintings on 4: 59.
- pictographs on 10: 213 *sq.*
- possible suggestion of carved paddle designs by grain of 20: 12.
- preservation of, in old houses 46: 183.
- remains of, at Honanki 17: 562, 566.

Wood—Continued

- Serian and Yuman names for 17: 297*, 338* *sqq.*
- sewing of 35: 77, 88, 93.
- skin boat 38: § 798.
- songs of gathering 39: 220.
- splitting of 35: 168.
- spoons of, of the Omaha 13: 277.
- steaming of 35: 71-74, 88 *sqq.*, 94.
- symbol in the codices 16: 262.
- tools, etc., made of 46: 173.
- use of blocks of, as molds for clay, Eastern United States 20: 50, 58, 59.
- use of, by Indians 45: 495.
- use of, in implement making 13: 142.
- utensils of 42: 689; 45: 230.
- See also* **Wooden**.
- Wood Ants**
 - females of, eaten 38: § 225.
 - legend concerning 30: 211.
- Wood Carvers**, payment of 35: 1339.
- Wood Cricket**, "singing" of 38: § 726.
- Wood Fraternity**. *See* **Hle'wekwe**.
- Wood Objects**, from Kintiel, mention of 22, i: 133.
- Wood Rack** of Pueblos, description of 8: 103.
- Wood Rats**
 - consumption of 11: 25.
 - myths concerning 11: 34.
- Wood Tick Dance**. *See* **Tick Dance**.
- Woodbetony**, use of 45: 467, 500.
- Woodbine**
 - medicinal use of 42: 662.
 - use of 44: 291, 307, 320.
- Woodburn, Mrs. Grace D.**, assistance of 46: 10.
- Woodburn, J. M.**
 - quoted on Indian beliefs 11: 482.
 - reference to work of 11: 363.
- Woodchuck**, myth concerning 19: 280.
- Woodcock**, eyes of, used as dice 32: 206.
- Wooden**
 - awl, single specimen of 44: 165.
 - bench 38: § 328-331.
 - doors, not found in pre-Columbian ruins 8: 184.
 - drums 38: § 580, 581.

Wooden—Continued

- features of Pueblo windows 8: 196.
- flageolet 38: § 563.
- flute 38: § 560, 561.
- head ring 38: § 530.
- knife 38: § 14.
- mask 3: 104.
- needle 38: § 47-52.
- pestle and mortar 38: § 380.
- trumpet 38: § 559.
- vessels, copied in pottery 4: 447, 451.
- whistle 38: § 567.

See also Wood.

Wooden Artifacts, Pima

- agricultural implements 26: 97 *sqq.*
- household utensils 26: 99-102.
- miscellaneous 26: 103-108.
- weapons 26: 95 *sq.*

Wooden Canes, Zuñi dice game 24: 217, 221 *sq.***Wooden Implements**

- Casa Grande, description of 28: 146 *sq.*
- use of, in quarrying 15: 23, 111.

Wooden Lance. *See* Ä'piatañ.**Wooden Structures**, absence of trace of 41: 495.**Woodenware**

- collection of 18: XLVII.
- of the Menomini 14: 256, 257.

Woodmoss, use of 44: 289, 377.**Woodpecker**

- a life symbol 36: 120.
- a prophetic bird 42: 496.
- carvings of the 2: 146.
- head of, used in Hako ceremony 22, ii: 20.
- in Menomini myth 14: 229.
- in Pima flood legend 28: 50.
- in Ponca legend 27: 47.
- legend concerning 30: 211.
- nest of, shooting into 30: 315 *sq.*
- string figure of 38: § 706.
- symbolism of 22, ii: 21, 40, 173.
- use of, as a charm 42: 502.
- use of, as tribal pipes 27: 135, 207.

Woodruffe Butte, stone birds from, description and figures of 22, i: 135.**Woods, I. C.**, stage line established by 26: 32.**Wood's Ranch**, petroglyph boulder near 17: 545.

95719°—33—74

Woodthorpe, Lieutenant Colonel —

- account of tribes in India by 10: 361.
- on war symbols 4: 88.

Woodward, —

- on Chief McGillivray 19: 210.
- on Chief Weatherford 19: 217.
- on De Soto's route 19: 199.
- on Mobilian trade language 19: 187.

Woodward, John, mounds on land of 44: 409.**Woodward, R. S.**, on pure mathematics 19: 827.**Woodward, Thomas S.**, information from 42: 262.**Woodworm**, among the *Tlingit*

- clan animal 26: 464.
- crest animal 26: 408, 416 *sq.*, 465.
- in mythology 26: 464.
- use of borings from 26: 429.

Woodwork

- general description of 38: § 4, 10.
- of Casa Grande 13: 310, 312, 313.
- of the Flathead group 45: 326.

Woodworking

- aided by fire 13: 72.
- by the Menomini 14: 241.
- gouges used in 13: 83.
- methods of 8: 184; 27: 338 *sq.*
- tools for, Eskimo 18: 81-93.

See also Canoes; Wood; Woodwork.

Woodworth, Arnold, interpreter to Messiah delegation 14: 900.**Wooring** among the Kwakiutl 35: 862, 955, 1004.**Wooring Canoes** 35: 1029, 1051, 1065.**Wooring Speeches** 35: 1052, 1065.**Wool, General** —

- disarming of Indians by 19: 129.
- on Cherokee opposition to removal 19: 127.
- on preparation for removal 19: 127.
- protest against New Echota treaty submitted to 19: 126.

Wool, John E.

- in command of troops in Cherokee Nation 5: 283.
- relief of 5: 289.
- report of, on Cherokee affairs 5: 286.

Wool

- Eskimo clothing made of 18: 36.
 of mountain goat 35: 660, 661, 662, 663.
 of mountain goat, plucking of 35: 443.
 raised by the Pima 26: 29.

Woolen Goods, introduction of 46: 464 sq.

Woolen Mill, establishment by Mormons at Moen-kopi 8: 78.

Wooley, Cape, site at 46: 90.

Woolf, —, ethnologic specimens collected by 18: 47, 48.

Woolsey's (King) Pinole Treaty 26: 50 sq.

Woosamequin. *See* Massasoit.

Woossurraboonet, sagamore of Wawenock 43: 174.

Wooton, E. O., on absence of wild rice in New Mexico 19: 1031.

Wo-pa, circular plaited tray 38: § 409.

Wopokahte, name applied to Wovoka 14: 765.

Wopumne land cessions and reservations 18: 786.

Woralli. *See* Curare.

Worcester, Rev. S. A.

Cherokee missionary 19: 105.

death of 19: 148.

imprisonment of 19: 119.

life of 19: 217 sq.

work in translation, etc., by 19: 108, 111, 165.

Worcester vs. Georgia, Supreme Court decision in 5: 264.

Word-building by the Arapaho 14: 998.

Word Lists. *See* Glossaries; Vocabularies.

Words

evolution of 20: CLIII-CLVII, CLX, CLXII.

foreign, introduced among the Point Barrow Eskimo 9: 55.

of song, Guiana Indian 38: § 596, 597.

paraphrases of, in boats 30: 252 sq.

Words of the Ancient Men, a tribal rite 36: 62.

Workbaskets

fine coils of 41: 163.

Workbaskets—Continued

nut-shaped 41: 202 sq.

terms for 41: 397.

Workboxes of Eskimo women 18: 98 sqq.

Workingman's Song 35: 1310.

Works of mound-builders and Indians compared 12: 651, 659-671.

Workshop

quarry near Washington City 15: 15.

use of the kiva as a 8: 129, 133.

World

as known to Tewa 29: 41 *et seq.*

beliefs concerning end of 42: 78.

Cherokee account of the making of 19: 239-242, 430 sq.

Cherokee ideas of 19: 455.

conception of 45: 176, 289.

higher, visit to 32: 252.

trip to ascertain size of 32: 450.

Zuñi myth of drying of the 2: 12.

See also Porter-Johnson Episode.

World Quarter Symbols

religious concept of 41: 534.

See also World Quarters.

World Quarters

ceremony connected with 41: 538.

place of, in religion 41: 537.

See also World Quarter Symbols.

World's Columbian Exposition

Bureau exhibit at 15: XXI, XXII, XXIV, XXVII, XXVIII, XXX, XXXII, XCI.

collections for 13: XXX, XXXI, XXXII, XXXVI, XXXVII, XXXIX; 14: 653, 654.

exploration of Pocatquissing Creek sites for 20: 176.

Wor'li

chief, house of 23: 141.

distribution of seeds by 23: 147.

prayer by 23: 141, 142.

selection of entertainers by 23: 141.

Worm

great Eskimo mythological animal 18: 443.

Tlingit house group name 26: 404.

See also Woodworm; Worms.

Worms

disease common to Creek children 42: 636.

origin of Caribs from 30: 143.

Pima medicine 26: 265.

See also Worm.

- Wormseed**, medicinal use of 42: 608, 657, 668.
- Wormseed Mustard**, use of 44: 289, 350.
- Wormwood**
eaten by Zuñi 30: 65.
use of 44: 287, 362; 45: 459, 463, 500, 512.
use of, for colds 30: 42.
See also Artemisia Absinthium.
- Wormwood, Fringed**, use of 45: 497.
- Worpenberg, Rev. George**, manuscripts loaned by 37: 27.
- Worship**
of animals, Zuñi 2: 11.
of priesthood of the bow 2: 41, 43.
of the dead 33: 616, 657, 658.
of the six regions 2: 19.
of the thunder, Omaha 3: 227.
of Zuñi prey gods, ceremony attending 2: 32.
primitive forms of 11: 425, 436, 502, 514.
use of the term 15: 253.
See also Religion.
- Worsted**
Eskimo clothing made of 18: 38, 41.
Eskimo "housewife" made of 18: 105.
Eskimo hunting bag made of 18: 167.
Eskimo tobacco implements made of 18: 285.
- Worthlessness**, sign for 1: 301.
- Wor'we**, preparation of prayer plumes by 23: 145.
- Wosnesenski**, mention of 46: 189.
- Wotherspoon, Lieutenant** —, F. H. Cushing aided by 3: xix.
- Wounded Knee**
account of battle of 14: 843, 869.
burial of dead at 14: 876.
graves of Indians killed at 14: 1060.
list of killed at 14: 872.
mortality at 14: 870.
native account of battle of 14: 884.
result of battle of 14: 873.
second encounter of 14: 882.
survivors of 14: 877-881.
use of sacred paint 14: 779.
See also Sioux Outbreak.
- Wounding**, ceremonial, among Indians 16: 65.
- Wounds**
among the Pima 26: 268.
by wild beasts, a qualification for priesthood 9: 457 sq.
how treated by the Zuñi 30: 41 sqq., 47, 49, 52, 63.
instruction in treatment of 42: 617.
recovery from 46: 429 sq.
treatment of 27: 487, 582; 38: § 929; 42: 625 sq.; 44: 264.
trephining the result of 16: 67.
- Woven Fabrics**
specimens of, from Wolpi 2: 398.
specimens of, from Zuñi 2: 373.
- Wovoka**
account of 14: 764, 769, 771, 927.
address of, to delegation 14: 797.
Arapaho and Cheyenne delegation to 14: 900.
Bannock and Shoshoni delegates to 14: 818.
Caddo delegation to 14: 903.
claims of, renounced 14: 914.
comparison of, with other prophets 14: 930.
derivation of 14: 765.
Ghost dance led by 14: 818.
how regarded 14: 766.
hypnotism practiced by 14: 818, 901.
Indian letter to 14: 901.
letter from 14: 776, 780, 781.
photographing of 14: 774.
Porcupine's account of 14: 803.
power of 14: 1048.
reported to be a half-blood 14: 894.
responsibility of Ghost shirt disclaimed by 14: 791.
Shaker contact with 14: 763.
Sioux knowledge concerning 14: 800.
speech of, communicated by Porcupine 14: 784.
vision of 14: 773.
visit of Ä'piatañ to 14: 911, 913.
visit of Arapaho to 14: 894.
visit of Cheyenne delegates to 14: 817.
visit of Nakash to 14: 803, 817.
visit of Porcupine to 14: 794, 803.
visit of Shoshoni delegation to 14: 807.

- Wovoka**—Continued
 visit of Sioux delegation to 14: 819, 820.
 visit of Ute delegates to 14: 806.
 visits of various delegations to 14: 797, 894, 901.
- Wowol** land cessions and reservations 18: 782.
- Wrangell, F. P.**, mention of 46: 127, 130, 150, 330, 333, 334.
- Wrangell, Tlingit town**
 clans of 26: 409, 410, 411, 416, 423, 435, 436.
 mention of 26: 397.
 potlatches at 26: 435.
 secret society performance at 26: 436.
 xēl qoan at 26: 396.
- Wrapped-pattern Basketry** 38: § 113.
- Wrappers** for lance points, Eskimo 18: 150.
- Wren**
 in Cherokee lore 19: 401, 504.
 symbolism of 22, ii: 172.
- Wrenshawll, J. H.**, collections of 15: 72.
- Wrestling**
 among the Eskimo 18: 340 sq.
 among the Indians 11: 321.
- Wrestling Games**
 at Parishara dance 38: § 591.
 at salutation ceremony 38: § 811.
 mention of 38: 607.
- Wright, Agent** —
 Ghost dance stopped by 14: 847.
 Messiah doctrine discouraged by 14: 843.
 removal of Crow Dog advised by 14: 844.
 Rosebud census by 14: 831.
- Wright, Colonel** —
 engaged in Indian war 45: 128, 370.
 fight of, with Chief Moses 14: 734.
- Wright, Charles D.**
 on pictographs 4: 34.
 petroglyphs described by 10: 72 sq.
- Wright, F. E.**, collaboration of 34: 26.
- Wright, F. G.**, operations of 13: XXVI, XXIX.
- Wright, George J.**, acknowledgment to 42: 14.
- Wright, Dr. Harrison**
 exploration of Iroquoian province by 20: 159.
 report by, on collections of Wyoming Historical and Geographical Society 20: 166.
- Wright, Miss Irene**, mention of 45: 2.
- Wright, Sir James**, quoted on Georgia's Indian policy 18: 637 sqq.
- Wright, Mary I.**, illustrations prepared by 14: XLVII.
- Wright, Dr. S. G.**, on superstitions regarding burial feasts 1: 191.
- Wrinkled-Neck**
 trading post built by 17: 283.
See also K'odal-akā-i.
- Wrist-bands, Woven**, ceremonial use of 39: 251, 257.
- Wrist-guards**
 of stone used by Miami 13: 117.
 of the Eskimo 18: 161 sq.
 of the Omaha 13: 287.
- Wristlets**
 ceremonial, of Eskimo 18: 420.
 of shell from Pueblo ruins on Little Colorado River, discovery of 22, i: 90.
- Writing**
 and drawing, original identity of 10: 664 sq.
 ideographic, of Biāñk'i 14: 910.
 origin of, gestures connected with 1: 354.
 pictography the origin of 15: 169.
 picture, origin of 20: CXLVI sqq.
- Written Language**
 as related to fictile art 4: 443.
 development of 22, i: XXXI.
 evolution of 20: CLXV-CLXIX.
- Written Records** of the Eskimo 18: 198.
- Wrosetasetow**, "emperor" of the Cherokee 19: 34.
- W'shā'nātu**, a Piskwaus band 14: 736.
- Wuckitā'n, Tlingit clan**
 crests of 26: 416.
 history of 26: 412.
 names of 26: 421.
 phratry and tribe of 26: 399.

- Wukkakotk** in Pima flood legend 28: 51.
- Wukoanu (Hopi) Clan**, reference to 19: 583.
- Wukoki Pueblo**, by whom built 19: 589.
- Wukokoti**
 appearance of, in Palülüköñti 21: 52.
 appearance of, in Powamû festival 21: 36.
 description of 21: 85.
- Wukopakabi**, home of Hano clans 19: 614.
- Wupamau**
 appearance of clown in company of, in Powamû 21: 91, 92.
 appearance of, in Palülüköñti 21: 52.
 derivation of 21: 125.
 description of 21: 91, 92.
 resemblance of, to Tanik 21: 95.
 similarity of mask of Teanaû to that of 21: 91.
- Wupatki National Monument**, ruins included in 42: 4.
- Wurali Poison**. *See* Curare.
- Wurwurima**, secret poison 38: § 734.
- Wushkûm**, Smohalla ceremonial among 14: 727.
- Wûshqûm**, a Tlaqluit synonym 14: 740.
- Wut-ca'nina**
 affinity of 26: 421.
 Haida clan at Kasaan 26: 412.
- Wüvoka**, a synonym of Wovoka 14: 765.
- Wüwükoti**
 ancient clan masks designated by the name of 21: 109.
 appearance of beard and horns in pictures of 21: 111.
 derivation of 21: 125.
- Wüwütcimti**
 a Hopi ceremony 15: 263.
 description of 21: 21, 24.
 fraternities taking part in 21: 23.
- Wüwütcimtû**
 appearance of, in New Fire ceremony 21: 73.
 religious society at Walpi, source and census of 19: 623, 628.
- Wüwütcimtû Fraternity**, ceremonies celebrated by 21: 23.
- Wüwütcimtû Priests**, face decoration of, in New Fire ceremony 21: 74.
- Wüwüyomo**
 derivation of 21: 125.
 description of 21: 65.
 display of masks of, at Pamürti 21: 66.
 masks of 21: 28.
 participation in Powamû festival by 21: 67.
 relation of, to Honani clan 21: 65.
 resemblance of masks of, to that of Ahül 21: 65.
- Wuyok**, appearance of, in Hopi Palülüköñti festivals 21: 52.
- Wyam**, a Waiam synonym 14: 741.
- Wyandot**
 Cherokee relations with 19: 18.
 criminal laws of 1:
 for adultery 66.
 for maiming 66.
 for murder 66.
 for outlawry 67.
 for theft 66.
 for treason 67.
 for witchcraft 67.
 mention of 66, 67.
 final defeat of the 14: 762.
 former habitat of 7: 72.
 games of the 24:
 dice games 118 sq.
 football 698, 702.
 hidden ball 351.
 government 1: 59-69.
 habitat of the 20: 159.
 importance of the 14: 685.
 land cessions and reservations 18: 648, 650, 654 sqq., 664, 666 sqq., 674 sqq., 684-688, 690, 734, 758, 776, 778, 780, 800 sqq., 842 sqq.
 language, work on 11: xxx.
 legends concerning the 19: 18.
 military government 1: 68.
 mode of addressing Delawares 19: 497.
 name for Cherokee 19: 183.
 population of the 7: 81; 19: 1108, 1109, 1110.
 regulations 1:
 of encampment 64.
 of migration 64.
 of name 64.
 of personal adornment 64.
 mention of 63, 64.

Wyandot—Continued

- rights 1:
 - mention of 65.
 - of community 65.
 - of person 65.
 - of religion 65.
- Tecumtha among the 14: 689.
- tradition concerning Cherokee 19: 19.
- tribal sign for 1: 476.
- See also* Hurons.
- Wyandot Old Town**, trail passing 42: 757.
- Wyandot Village**, treaty of 18: 720.
- Wyandotte Cave**, flint in 44: 528 sq.
- Wyman**, —
 - cited on primitive trephining 16: 12.
 - on the Creeks 19: 499.
- Wyman, Professor** —, on cord-making pottery of Tennessee 3: 398.
- Wyman, J.**, mention of 46: 150, 151, 152, 162, 217, 232, 233, 234, 237.
- Wyman, Jeffries**
 - description of shell celt by 2: 204.
 - description of shell gorgets by 2: 289.
 - description of shell pens by 2: 216.
 - description of shell vessel by 2: 196.
 - description of shell weapons by 2: 211.
 - fiber-tempered ware collected by 20: 122.
 - Iroquoian pottery collected by 20: 168.
 - on shell-heap pottery in Florida 20: 116.
 - on tempering materials of Florida pottery 20: 117.
 - reference to monograph of 12: 329, 333.
- Wyndale, Va.**, trail passing 42: 759.
- Wynima**, account of 14: 893.
- Wyoming**
 - archeologic explorations in 28: 18.
 - field work in 23: ix, xiv.
 - Kiowa formerly in 17: 155 sq., 160.
 - military posts, etc., in 17: 388.
 - petroglyphs in 10: 128 sqq., 678 sqq.
 - rock carvings in 4: 24, 227.
- Wyoming County, Pa.**, pottery from 20: 166.

Wyoming Historical and Geographical Society

- designs from vases in collection of 20: 171.
- pottery in collection of 20: 165 sq.
- Wyrick, David**, fraudulent Hebrew inscriptions 4: 248.
- Wytfliet, Cornelius**
 - on Pecos 29: 476.
 - on Quivira 29: 565.
- Wyth, John**
 - cited 12: 622.
 - on ceremonial objects of Virginia Indians 13: 116.
 - on use of shell adzes in Virginia 13: 72.
- Wyyoughs Family**, mention of 43: 224.

X

- Xabaagua**, mention of 44: 35.
- Xabe**, Indian from Quivira, with Coronado 14: 504, 511.
- Xachcab**, definition of 16: 258.
- Xakanuwú'**, Tlingit town 26: 397.
- Xalapa, Mexico**, ruins near 26: xv.
- Xalisco**
 - destination of Alarcon at 14: 478.
 - settlement of, by Guzman 14: 473.
- Xan**, meaning of 16: 234.
- Xanthium Canadense**, Pima medicinal plant 26: 80.
- Xanthoxalis Stricta** 33: 98.
- Xavier**, Pima chief 26: 21.
- Xcalumkin, Yucatan**
 - inscription at, discussion of 22, i: 299 sq.
 - inscription at, figure showing 22, i: 253.
- Xêl qoan**, Tlingit clan
 - history of 26: 411.
 - phratry and tribe of 26: 399.
- Xico**
 - earth mounds near 25: 232.
 - objects from 25: 250.
 - stone idols near 25: 247.
 - See also* Archeological Objects.
- Xico Viejo, Mexico**
 - mention of 25: 244, 245, 246 sq.
 - visited by Dr. J. W. Fewkes 26: xv.
 - See also* Xicochimalco.
- Xicochimalco**
 - foundation of 25: 248.

Xicochimalco—Continued

- modern 25: 248.
 mounds of 25: xxviii.
 ruins at 25: 244 sq.
See also **Xico Viejo**.

Ximána Indians, natal customs of the 30: 325.**Ximena**

- name of, forgotten by Jaramillo 14: 587.
 pueblo of, mention of 14: 523, 525.

Ximenes

- on definition of *ah* 16: 245.
 on meaning of certain Maya terms 16: 227.
 on meaning of *imex* 16: 212.
 on meaning of *kanel* 16: 235.
 on meaning of *tibax* 16: 259.
 on meaning of *yiz* 16: 249.

Ximenes, Señor —, work of 26: xv.**Ximenez, Francisco**

- cited on myths of Guatemala 9: 528.
 quoted on *chalchihuitl* among the Mexicans 9: 590.
 quoted on divination by Guatemala Indians 9: 533.

Xincan number names 19: 881.**Xipe**, a Mexican death god 16: 243.**Xitha'gaxe**, remarks of 27: 637.**Xochicalco, Mexico**, ruins at 26: xiv.**Xochitl** day symbol, discussion of 16: 262.**Xocotoc**, mention of 44: 35.**Xo'-ka**

- ceremonial approach of, to sacred house 43: 36 sqq.
 ceremony of decorating 43: 33 sq.
 ceremony of painting and decorating 39: 251-257.
 decorating of 45: 703-707.
 office of 39: 72 sq.
 symbolic adornment of 39: 73 sq., 85 sq.
 the Imitator 36: 74.

Xolke, meaning of 16: 233.**Xoo** day symbol, discussion of 16: 254.**Xoqle'di**, *Tlingit* clan

- account of 26: 411.
 crests of 26: 415.
 phratry and tribe of 26: 399.

Xthexe', meaning of the term 27: 219, 494.**Xuala**, De Soto's visit to 19: 25, 28 sq., 194, 196.**Xu'be**, group of Moⁿ'thiⁿ kagaxe gens 27: 172, 173 sq.**Xuco**, mention of 44: 35.**Xu'de**. *See* **Ni'kagahi xu'de**.**Xu'ka Subdivision**, *Tha'tada*

- account of 27: 160, 163 sq.
 in anointing sacred pole 27: 231 sq.

Xulah, meaning of 16: 225.**Xulbil**, meaning of 16: 225.**Xulezah**, meaning of 16: 225.**Xulub**, meaning of 16: 225.**Xumupamí**, identification of, with Shuñopovi 17: 599.**Xutha' Zhu-dse Gens**

- life symbol of 36: 124.
 wi'-gi-e of 36: 124-127.

Xu-tha'-wa-ṭoⁿ-in

- an informant 36: 238.
 death of 39: 170.
 wi'-gi-e recited by 43: 73.
 wi'-gi-e recorded by 43: 84.

Xu'ts!da goan. *See* **Hutsnuwu**.**Xuulul**, meaning of 16: 225.**Xwēxwē**, mention of 35: 892, 895, 896.**Xyrauchen Cypho**, Gila fish 26: 83.

Y

Yabipais. *See* **Yavapai**.**Yabipais Tejua**. *See* **Yavapai**.**Yaccocahmut**, Mayan bird deity 24: 731.**Yache**, meaning of 16: 228.**Yackamans**, a Yä'kima synonym 14: 737.**Yacumna** land cessions and reservations 18: 784.**Yä'das**, Haida clan 26: 412.**Yadkin River**

- Keyauwee Indians on 42: 683.
 trail along 42: 777.
 trail from, to Boonsborough 42: 801 sq.

Yadkin Valley Pottery

- mention of 20: 145, 147, 148 sq.
 resemblance of Delaware Valley ware to 20: 176, 177.
 resemblance of Potomac-Chesapeake pottery to 20: 152, 153, 154.

Yäx'agemē 35: 813.

- Yahe**, drink 38: § 268.
- Yahgan Tribe**
 investigation of 21: XII.
See also **Tierra del Fuego**.
- Yahola**
 a male deity 42: 485.
 appealed to, in sickness 42: 485.
 cry of 42: 485, 537, 544.
- Yahola, Napoleon**, myth known to 42: 65.
- Yahooskin Snake** land cessions and reservations 18: 234.
- Yahula**, myth of 19: 347 *sqq.*, 482 *sq.*
- Yahuna Indians**, legends of 30: 146, 229.
- Yaios**, a nation of Trinidad 34: 64.
- Yakama**
 a Yä'kima synonym 14: 737.
 intermarriage of, with Piskwaus 14: 736.
 Shaker attempt to influence 14: 759.
 sketch of the 14: 737.
 Smohalla ceremonial among the 14: 727.
 Wa'napûm affinity with 14: 735.
 war of the, in 1855-1856 14: 718.
See also **Yakima**
- Yaketahnoklatakamakanay Tribe**, mention of 7: 85.
- Yaki Indians**, ceremonies of, account of 22, i: xxxiv.
- Yakima Indian or Tribe**
 amount of wild rice harvested by 19: 1075.
 basketry of the 41: 139, 353-360.
 caps worn by the 41: 354.
 Flathead name for the 45: 301.
 games of the 24:
 dice games 158.
 hand game 307.
 land cessions and reservations 18: 804 *sqq.*, 944, 948.
 language of influence of 41: 384.
 mention of 41: 136.
 name of, in sign language 45: 146.
 research among the 27: 9.
 war of, with the whites 45: 368.
 wars of, with the Okanagon group 45: 258 *sq.*
See also **Yakama**.
- Yakima Gap**, Smohalla performances at 14: 725.
- Yakinha Miko**, successor to Moty Kennard 42: 330.
- Yakonan Family**, mention of 7: 133.
- Yakut or Mariposan Family**, mention of 7: 90.
- Yakutat, Tlingit town**
 clans of 26: 408.
 mention of 26: 397.
- Yakutat, Tlingit tribe**
 clans and house groups of 26: 404.
 copper mask of 46: 34.
 dialectic position of 26: 398.
 games of the 24:
 European games 793.
 tops 740.
 mention of 26: 396.
 phratries and clans of 26: 400.
 population of 7: 87.
- Yakwina Tribe**, mention of 7: 134.
- Yam**, cultivation of 38: § 246.
- Yamacraw**
 burial of, in England 42: 397.
 settlement of, on site of Savannah 42: 38.
- Yamado** land cessions and reservations 18: 784.
- Yamasee**
 believed to be extinct 7: 95.
 destroyed or scattered 42: 324.
 former residence of 20: 142.
 habitat of 7: 95.
 massacre of whites by 19: 33.
 migration of, to Florida 19: 99.
 of Muskogean stock 42: 678.
 sabia obtained from 42: 499.
 traditional destruction of 42: 61.
- Yamasee Settlement**, law protecting 18: 632.
- Yamasi**. *See* **Yamasee**.
- Yámil**, population of 7: 82.
- Yamkallie**, Scouler on 7: 81.
- Yampa Uta** land cessions and reservations 18: 848, 893.
- Yämpai-ni**, Shoshoni name of the Comanche 14: 1043.
- Yämpai-Rikana**, Shoshoni name of the Comanche 14: 1043.
- Yampai Spring, Ariz.**
 petroglyphs at 10: 50.
 pictographs at 4: 29; 28: 209.
- Yampais**
 in Yuma-Pima battle 26: 47.
See also **Yavapai**.

- Yä'mpäri'ka**, a Comanche band 24: 1044.
- Yä'nagûñ'skî**. *See* **Yonaguska**.
- Yanan Family**, mention of 7: 135.
- Yanasâlgî**, affiliations of 42: 122.
- Yane'gwa**, a Cherokee chief 19: 164.
- Yaneka**, settlement of 44: 174.
- Yankton**
 a Sioux division 14: 1058.
 account of the 15: 217.
 definition and habitat of 15: 160.
 definition of 4: 97.
 fights with the Omaha 27: 100, 480.
 former habitat of the 14: 1058; 15: 190, 191.
 interview with, concerning Messiah 14: 800.
 mention of 4: 112, 122.
 Omaha name for the 27: 102.
 party to treaties 27: 622, 623.
 Ponca name for 27: 103.
See also **Dakota**, **Yankton**.
- Yankton Reservation**, mention of 4: 125.
- Yankton Sioux**. *See* **Sioux**, **Yankton**.
- Yanktonai**
 a Sioux division 14: 1058.
 account of the 15: 217.
 definition and divisions of 15: 160.
 former habitat of the 14: 1058; 15: 190.
 Ghost dance among the 14: 817.
 mention of the 4: 122, 124.
 migration of the 15: 198.
 population of the 7: 117.
 smallpox among the 17: 275.
See also **Dakota**, **Yanktonai**.
- Yanktonai Sioux**. *See* **Sioux**, **Yanktonai**.
- Yanktonnais**. *See* **Yanktonai**.
- Yanonali**, mention of 44: 55.
- Yanonalit**
 Chief, friendly to Spaniards 44: 49.
 chief of Burton Mound village 42: 8.
 name of Syujtun 44: 49.
- Yä'nôwwuluha**, appointment of, as deputy to the Sun Father 23: 27.
- Yäpä**, a Comanche band 14: 1044.
- Yä'pähe**
 a Kiowa military organization 14: 89; 17: 229, 284.
 function of 17: 337.
- Yaperi-kuli**
 identification of 30: 120.
See also **Haburi**.
- Yapotari**, headman 38: § 740.
- Yapurutu**, wooden flute 38: § 559.
- Yaq'dä't**. *See* **Yakutat**.
- Yaqui Indian**
 and Papago, comparison of 16: xxxiv.
 intermarriage of, with Pima 26: 186.
 method of forming numbers above ten 19: 909.
 musical instruments of the 26: 168.
 researches among the 41: 62.
- Yaqui River**
 and settlement 14: 515, 553.
 followed by Coronado 14: 584.
 north of Galicia 14: 386.
 reference to 28: 56.
- Yaquimi**. *See* **Yaqui River**.
- Yar**. *See* **Sun**.
- Yarn**, use of 45: 49.
- Yarrau Fish**
 caught with poison 38: § 312.
 caught with trap 38: § 194.
 "chopped" 38: § 190.
 string figure of 38: § 693.
- Yarri-yarri** (*Anaxagorea* sp.=lance-wood).
 timber of, used for arrowhead 38: § 128.
 timber of, used for fire-sticks 38: § 1.
- Yarrow, Dr. H. C.**
 collections of 6: XLIX.
 contributor to Bureau 48: 1189.
 fabrics from pottery obtained by, in California 3: 415.
 field work of 6: XL sq.
 obituary of 48: 1221.
 office work of 6: L.
 on burial customs 12: 672, 675, 677, 708.
 on dice game, Wahpeton and Sisseton Dakota 24: 183 sq.
 on kivas at Taos 16: 175.
 pottery obtained by, in Utah 4: 292.
 references to 29: 133, 139.
 researches of, respecting mortuary customs of the North American Indians 5: xxxviii.
 work of 2: xxiii; 3: xxix; 7: xxviii sqq., xxxii.

Yarrow

medicinal use of 30: 42; 42: 663.
 mention of 33: 134.
 use of 44: 286; 45: 460.

See also **Achillea Millefolium**.

Yarura. *See* **Paddlewood**.

Yaruro, ordeals among the 30: 278.

Yasous, built mounds for dwelling sites
 12: 653.

Yassee land cessions and reservations
 18: 786.

Yatama-idak, Wapishana barbed composite arrow 38: § 139.

Yä'täsi, a Caddo division 14: 1092.

Yate, musical instrument 38: § 571.

Yates, —, quoted on New York's Indian policy 18: 586 sq.

Yatika

office of, among the Creeks 44: 215.

See also **Interpreter**.

Yätokïa, Sun Father, description of
 23: 24.

Yauary

mention of 38: § 461.

See also **Awarra**.

Yaudanchi, hoop and pole game of the 24: 501.

Yaumalolam, name applied to Umattilla River 14: 743.

Yaupa

description of 21: 79.

personation of, in Pawomû 21: 32.

Yavapai

ancestors of 28: 185, 216.

basketry of 26: 131, 164 sq.

hostility to Pima 26: 200.

references to 28: 58, 207.

Yavapai County, Ariz., reference to 28: 186.

Yawahus

babies brought by 30: 187, 343.

description of 30: 171 sq.

legends of 30: 121, 187, 191, 195, 222, 230.

protection against 30: 299.

Yawarri. *See* **Opossum Rat**.

Yawilchine land cessions and reservations 18: 782.

Yawning

beliefs concerning 30: 271.

goats attracted by 35: 711.

Yaws, cure for 38: § 927.

Yax

and *ceh* symbols, comparison of
 16: 249.

symbol of the Maya 16: 211.

Yaxkin

form of, discussion of 16: 241.

symbol of the Maya 16: 211.

Yaya Priests

appearance of, in spring and summer
 festivals 21: 96.

description of 21: 96.

fraternity of, ceremonies celebrated
 by 21: 22, 23.

Kawikoli accompanied by 21: 96.
 of the Hopi 28: 47.

Walpi spring festival held by 21:
 55.

Yaybichy, dance of the 5: 435, 436.

Yazau Country, Muskogee established in 42: 44.

Yazau River

settlement of Chickasaw on 42: 46.

See also **Yazoo River**.

Yazoo, dwellings of 42: 687, 688.

Yazoo Country. *See* **Yazau Country**.

Yazoo River

Muskogean stock on 42: 678.

See also **Yazau River**.

Yeamans, Sir John, purchase of land
 by 18: 626.

Year

divisions of the 42: 400-403.

Maya, day symbols of the 16:
 xcv, 199-265.

Mayan, various interpretations of
 19: 747 sq.

terms relating to 29: 61.

Zuñi divisions of 23: 108.

See also **Years**.

Yeardley, Francis, purchase of land
 by 18: 624 sq.

Years

elements, reference to 3: 49.

to cardinal points, reference to
 3: 49.

See also **Year**.

Yébitcai or Yebitcai

ceremony of the Navaho 17: 500.

derivation of 21: 126.

hogan of the Navaho 17: 509.

Yebitchai, meaning of the term
 8: 235, 236.

- Yehoho**, description of 21: 106.
- Yekuana**. *See* **Maiongkong**.
- Yeletpo**, a Cayuse synonym 14: 745.
- Yeletpo Choppunish**, a Cayuse synonym 14: 743.
- Yellow**
 how represented in codices 16: 228.
 Serian and Yuman words meaning 17: 335* *sq.*
- Yellow-Bird**
 adoption of child of 14: 880.
 responsibility of, for Wounded Knee fight 14: 868.
- Yellow Bird**, among the *Pima*
 in mythology 26: 367.
 in song 26: 303, 305, 334.
- Yellow Breast**, delegate to Wovoka 14: 820.
- Yellow Cedar**
 mention of 35: 163.
 preparation of bark of 35: 129 *sq.*
- Yellow Corn Clan**, size of 47: 35.
- Yellow Creek Settlement**, mention of 5: 183.
- Yellow Dyes**, sources of 30: 80, 97.
- Yellow Eagle**, delegation to Wovoka under 14: 808.
- Yellow Flax**, use of, in medicine 30: 56.
- Yellow Hair**
 cession of reserve for 18: 748.
 reservation for 18: 706.
- Yellow Hammer**
 a man-being in Iroquoian cosmology 21: 175, 202.
 myth concerning 19: 288 *sq.*
- Yellow Hill**, purchase of 19: 161.
- Yellow Jacket**, myth concerning 19: 260, 443 *sq.*
- Yellow Knife**, visit of, to Wovoka 14: 797, 819.
- Yellow Lotus**, mention of 33: 79.
- Yellow Mountain** in *Pima* mythology 26: 217.
- Yellow Pigment**, mention of 38: § 31.
- Yellow Pine**, use of, in ceremonies 30: 96.
- Yellow River**, treaty of 18: 758.
- Yellow Smoke**, earth lodge of 13: 270.
- Yellow Thunder's "Forty,"** location of 37: 51.
- Yellow Thunder's Village**, location of 37: 51.
- Yellow Ware** from Pueblo ruins in Arizona, reference to 22, i: 59.
- Yellowstone National Park**
 plummet from 13: 112.
 possible origin of Hopewell mounds obsidian in 20: 194.
 pottery of 20: 194, 201.
- Yellowstone River**, occupation of, by the Crow 15: 198.
- Yendestake**, clans at 26: 397, 413, 414.
- Yêndê'staq lê**. *See* **Yendestake**.
- Yenesei River**, *Siberia*, petroglyphs on 10: 186.
- Yenyê'dî**, *Tlingit* clan
 affinity of 26: 412.
 crests of 26: 415.
 phratry and tribe of 26: 399.
- Yeopim Indians**, purchase of land from 18: 625.
- Yerba de Flecha**, probable use of, by *Seri*, as arrow poison 17: 258* *sq.*
- Yerba Mansa**. *See* **Houttuynia Californica**.
- Yerbatero**, a professional poisoner 38: § 735.
- Yeso**, use of, for interior whitewash 8: 74.
- Yeta**, a division of the *Kansa* 37: 181.
- Yet'tripih**, number names of 19: 871.
- Yew**
 Pacific, use of 45: 500.
 use of 44: 293, 362.
 western, use of 45: 499.
 wood, mention of 35: 144, 146, 149, 150, 154, 181.
- Yib**, signification of 16: 254.
- Yibur**, sting ray, leaf plate 38: § 453.
- Yiela del Arispe**, *Pima* chief 26: 21.
- Yiz**. *See* **Balam**.
- Ylacca**
 land cessions and reservations 18: 784.
 See also **Round Valley Reserve**.
- Ymaba**
 visit of *Alvarado* to 14: 575.
 See also **Braba**; **Uraba**.

Ymix. *See* Imix.

Ymolina, Luis de Neve

on formation of Othomi numerals
19: 909.

on Othomi number names 19:
873.

on Othomian numbers 19: 873.

on Othomian numerals 19: 909.

Yoamocoos, sale of land by 18:
569, 573.

Yohozro Wüqti

derivation of 21: 126.

description of 21: 84.

Yokai Indians, basket making among
the 20: xvi.

Yo-kaí-a, a burial dance 1: 192 *sqq.*

Yokcabil

definition of 16: 257.

Muyal, definition of 21: 258.

Yokes

breast, used by the Eskimo 18:
211.

made by the Menomini 14: 289.

stone, of the Totonacs, mention of
34: 169.

See also Stone Yokes.

Yokol land cessions and reservations
18: 782.

Yoku

ant bite, counterirritant 38: § 926.
punishment 38: § 739.

Yokut Indian

color used by the 4: 52.

games of the 24:

dice games 140 *sq.*

European games 793.

hand game 293 *sq.*

hoop and pole 483 *sq.*

popgun 751.

racket 595.

shinny 640.

snow snake 414.

tops 741.

grass figures woven by 4: 78.

illustration of ornamentation by 6:
233, 234.

pictographs on baskets by 10: 217.

use of stone mortars by 13: 96.

Yollamer land cessions and reserva-
tions 18: 784.

Yolumne

land cessions and reservations 18:
782.

See also Tolumne.

Yonaguska

adoption of W. H. Thomas by 19:
160.

life of 19: 162 *sqq.*

Yoni, cult of the 11: 505.

Yonkalla, population of 7: 82.

Yontoñwisas Dance, legend concern-
ing 19: 365, 492.

Yontz, A. C., references to 29: 467,
488, 489, 492, 553.

Yookoomans, a Yä'kíma synonym
14: 737.

Yopo. *See* Yupa.

Yopone. *See* Black Drink; Cassine.

York, Duke of, grant to 18: 530.

York, Pa., trail near 42: 760.

York Mountains, mention of 46:
93.

Youikcones or Youkone of Lewis and
Clark 7: 134.

Youkiousme, a Moquelumnan dia-
lect 7: 92.

Youkone. *See* Youikcones.

Young, Lieutenant —, Coweta chief
42: 322.

Young, Col. Bennet H., mention of
41: 565.

Young, John, on tree burial 1: 161.

Young, J. R., agent for Pima 26:
34.

Young, John W., on sacred stone of
Oraibi 4: 58.

Young, William

assistance rendered by 7: xxx.

cited 10: 378.

Young, Serian and Yuman words
meaning 17: 336* *sq.*

Young Bear, George

paraphrase by 40: 378.

reference to 40: 501, 545.

Young Cow, game of the, Teton
Dakota 24: 416.

Young Deer, Cherokee formula fur-
nished by 7: 316.

Young-Man-Afraid

as a peacemaker 14: 887.

conduct of, in Sioux outbreak 14:
884, 886.

Ghost dance council held by 14:
820.

proper name of 14: 887.

Sioux difficulty ignored by 14:
832.

speech of, to General Miles 14: 890.

- Young - Man - Afraid - of - the - Indians.** *See* Royer, D. F.
- Young Mountain Sheep**, a Kiowa warrior order 14: 989.
- Young Sheep**, a Kiowa military order 17: 230.
- Younger, Cole**, Texas Ben indorsed by 14: 893.
- Younger Brother.** *See* Brother, Younger.
- Young's Canyon**, collection from 42: 19.
- Youth's Bed**, position of, in various towns 42: 197-200.
- Yowaluch, Louis**
 account of 14: 746, 754.
 conversion of 14: 760.
 correction concerning 14: 1111.
 headman of Shaker church 14: 758.
 Presbyterian church entered by 14: 760.
 speech of 14: 753, 754.
- Yowani.** *See* Heyowani.
- Yowa'ni**, a Caddo division 14: 1093.
- Ypadu.** *See* Erythroxyllum.
- Ysleta, Tex.**, population of 7: 123.
- Ysopete**
 a painted Plains Indian 14: 505, 507.
 efforts of, to guide Coronado 14: 588.
 supplants Tusk in confidence of Coronado 14: 509.
- Ytaua**, De Soto's visit to 19: 201.
- Yua**, Eskimo beliefs concerning 18: 394, 395, 429, 437 sq., 440, 443.
- Yuca**
 cassava bread prepared from 34: 57.
 cultivation of 34: 57 sq.
 West Indian culture based on 34: 264.
See also Cassava; Yucca.
- Yuca Spirit**, idol of 34: 208 sq.
- Yucatan**
 as source of Antilleans 25: 215-220.
 exploration of, by Alvarado 14: 352.
 games of 25: 85.
 Gulf Coast pottery suggesting that of 20: 110 sqq.
- Yucatan—Continued**
 inscriptions and sculptures of, work on 22, i: xxxvi.
 inscriptions on tablet from 22, i: 253.
 Mayan vernacular of 21: xxvi.
 possible influence of art of, on Eastern United States pottery 20: 145.
 prehistoric culture of 25: 179.
 ruined buildings of 25: xiii.
 ruins of, bas-reliefs at 19: 672.
 ruins of, inscriptions of 19: 806.
- Yucatec Group** of Mayan codices 22, i: 252.
- Yucay**, trephined crania from 16: 27.
- Yucayu**
 name of Yuca Spirit 34: 209.
 the great sky god 34: 264.
- Yucca**
 blades, in Zuñi ceremonial 5: 550, 551, 553, 555.
 fiber, anciently used 17: 572.
 fiber, preserve made from 14: 487.
 fiber, sandals from, Canyon de Chelly 8: 133.
 fiber, use of, by ancient Pueblo Indians 22, i: 97.
 fiber, use of, for garments 14: 517.
 fillets in Tusayan 15: 287.
 in Tusayan ceremony 15: 283.
 mouse trap of, in Powamû festival 21: 71.
 rope of, method of preparation 23: 113.
 switches made of 47: 872.
 use of, in bathing 8: 127.
 use of, in ceremonial 11: 103, 119, 122.
 used for washing head 47: 72.
 used for whipping 47: 852.
 whip of, appearance of, in pictures of Hopi kateinas 21: 66, 69, 70, 72, 76, 89, 98, 106, 108, 115, 116.
See also Cassava; Datil; Soapweed; Yuca.
- Yucca Bacatta** 26: 72.
- Yucca Baccata Dance** 5: 386, 439, 441.
- Yucca Elata** 26: 72, 142.
- Yucca Glauca** 33: 71.
- Yucca Paccata** 26: 116.

Yuchi

- allocation of clans in beds at 42: 201-204.
- arrangement of square ground of 42: 227 sq., 273.
- blood among Cherokee 19: 234.
- Cherokee relations with 19: 385 sq.
- clan councils of 42: 126.
- clans of, furnishing chiefs and henihas 42: 193.
- clans, phratries and moieties of 42: 160.
- cultural distinctions of 42: 712.
- customs of, adopted at Tuskegee 42: 585.
- descent among the 42: 695.
- given refuge by the Creeks 42: 46.
- habitat and population of 7: 126, 127.
- in Cherokee territory 19: 142 sq.
- language, grammatical study of 26: XXII.
- languages, grammatical notes on 26: XXI.
- linguistic work among the 6: xxv.
- Lower Creek White town 42: 126, 254.
- myth of the cedar 14: 979.
- myths of the 19: 421, 430.
- position of beds at 42: 198.
- property claims of 42: 337 sq.
- relation of, to Creeks 42: 33.
- religious beliefs of 42: 709.
- researches among the 27: 9.
- war with the 42: 57.
- See also Uchean Family.*
- Yuctu**, synonym for Syujtun 44: 55.
- Yugeuingge**
 - Indian form for Yuqueyunque 14: 510.
 - pueblo, mention of 14: 525.
- Yugiyhik' Festival**, legend of origin of 18: 494-497.
- Yuit Eskimo**
 - crowded emigrants from Asia 3: 121.
 - of Asia, mention of 7: 74.
- Yuki**
 - color used by the 4: 52.
 - inhumation among the 1: 99.
 - tattooing of the 4: 49.
 - See also Round Valley Reserve.*
- Yukia** land cessions and reservations 18: 784.

Yukian

- family, mention of 7: 135 sq.
- language, work on 11: xxix.
- stock, Huchnom tribe 24: 323.

Yukon

- ancient remains in 46: 81, 140.
- anthropology of 46: 150.
- archeology of 46: 32, 84, 129, 134, 165.
- at and below Tanana 46: 42, 45.
- changes in 46: 81.
- characteristics and scenery of 46: 126, 129.
- explorations of 46: 123-129.
- first white settlement on 46: 127.
- gold rush and decline of 46: 128, 129.
- history of 46: 126, 128.
- Lower, old villages and sites in 46: 169, 195.
- name of 46: 127.
- old settlements of 46: 133.
- ornate stone lamp from 46: 34.
- rôle of, in peopling of Alaska 46: 81.
- survey, geodetic, of 46: 129.
- survey of 46: 73.
- villages and camps in 46: 130.
- villages and sites of, enumerated 46: 136.

See also Yukon River.

Yukon Delta

- Big Lake Eskimo of 46: 226.
- masks from the 3: 132-135.

Yukon Delta Crania

- basiofacial diameters 46: 279-282.
- dental arch 46: 276.
- facial 46: 266.
- facial angles 46: 285.
- means 46: 286.
- mention of 46: 254, 257, 259, 262, 263.
- nose 46: 268, 270.
- orbits 46: 129, 132, 361.

Yukon Eskimo

- crania 46: 150, 161, 225, 232, 239, 256, 257, 259.
- mention of 46: 129, 132, 361.

Yukon Indians

- antiquity of 46: 83.
- census of 46: 132, 133.
- crania of 46: 150, 151-155.
- type of 46: 83.
- variety and name of 46: 129.

Yukon River

- buildings on 18: 244.
- ceremonial objects from 18: 407 sq., 414 sq.
- explorations by E. W. Nelson on 18: 19, 20.
- fishing on 18: 184 sq.
- grave boxes used on 18: 315.
- hospitality of people of 18: 296.
- implements and utensils from 18: 65, 66, 70, 73, 77, 80, 83 sq., 88, 90, 92, 97 sq., 103-107, 109, 111, 113, 119, 137, 142, 146, 149, 156, 157, 159, 160, 161, 167 sqq., 170, 180, 184, 188, 191-194.
- legends from 18: 482 sq., 486 sq., 497 sqq.
- manufactures from 18: 199, 200, 204, 205.
- mortuary customs on 18: 314 sq.
- musical instruments used on 18: 352 sq.
- ornaments from 18: 46, 58, 61, 62.
- people living on 18: 26.
- ruins on 18: 264.
- tattooing on 4: 65.
- tobacco implements from 18: 272, 274, 275, 278.
- transportation apparatus from 18: 210, 218, 223, 224.
- See also Yukon.*

Yukon Territory, observations in 46: 123.

Yukonikhotana, mention of 46: 130.

Yukunuri Fish, caught by jaggling 38: § 193.

Yuma Indian

- absence of Ghost dance among 14: 805.
- Coronado's account of the 14: 554.
- description of the 14: 485.
- games of the 24:
 - ball race 666, 682.
 - dice games 208 sqq.
 - hand game 326, 327.
 - hoop and pole 526.
 - shinny 646.
- in Pima flood legend 28: 51.
- in Pima mythology 26: 215.
- land cessions and reservations 18: 912, 914, 922.
- map of Colorado River by 10: 342.
- morality of the 26: 182.
- musical instruments of the 26: 167.

Yuma Indian—Continued

- paintings 4: 60, 158.
- paints furnished by the 26: 161.
- pottery of the 4: 300.
- relationship of the 28: 220.
- religious ceremony of the 10: 505 sqq.
- researches among the 41: 61 sq.
- trade of, with Pima 26: 94.
- vegetables raised by the 26: 91.
- warfare of, with Maricopa 26: 38, 40 sqq., 44-47.
- warfare of, with Pima 26: 44-47, 165, 167.
- weapons of the 26: 96.

Yuman

- and Zuñi affinity 13: 355.
- katchinas among the Hopi 21: 18.

Yuman Languages

- comparison of Serian with 17: 296*-344*.
- family of, mention of 7: 136 sqq.

Yuman Stock

- cremation practiced by the 28: 220.
- information concerning 26: xxvi.
- tribes of the 24:
 - Cocopa 199, 681.
 - Diegueños 323
 - Havasupai 200.
 - Maricopa 201, 370, 396, 655, 681, 757, 776, 809.
 - Mission Indians 204, 325, 644.
 - Mohave 205, 326, 523, 560, 644, 682, 726.
 - Walapai 207, 371, 525, 645.
 - Yuma 208, 327, 526, 646, 682.

Yuman Tribe

- derivation of Teosbuei from a 21: 85.
- style of hairdressing of 21: 85.

Yuña, description of 21: 113.

Yuña Mana, description of 21: 113.

Yunando. *See Raiser.*

Yunnaka-Khotana, mention of 46: 130, 131.

Yûñwî Tsûñsdi'. *See Little People.*

Yûñwi-usga'sě'ti. *See Dangerous-Man.*

Yûñ'wiyă

- meaning of 19: 15, 182.

See also Synonymy.

Yuñya, Hopi ceremonial day of 21: 20, 52.

- Yupa.** *See* **Piptadenia.**
Yupaha, visit of De Soto to 19: 193.
Yuqueyunque
 pueblo of 14: 525.
 visit of Barrionuevo to 14: 500.
 See also **Yugeuingge.**
Yuris Indian, of Brazil
 dyes made by the 10: 222.
 totem mark of the 4: 167.
Yuro, Arawak name for cassava
 squeezer 38: § 345.
Yurok
 burial fires of the 1: 198.
 ceremonial weapons of the 13: 116.
 games of the 24:
 dice games 199.
 double ball 664.
 stick games 265.
 Karak name for the Weitspekan
 tribes 7: 132.
 marriage customs of the 17: 285*.
Yurokon
 beliefs concerning 30: 165, 171,
 179.
 description of 30: 174.
 distribution of the name 30: 170.
 legends of 30: 179, 181, 192, 195,
 231.
 See also **Jurupari.**
Yurts, Asiatic, affinities of, to summer
 houses in Alaska 46: 182.
Yuru. *See* **Head Stick.**
Yurúma, its starch 38: § 233.
Yurupari. *See* **Jurupari; Yurokon.**
Yutan, a synonym of the Comanche
 14: 1043.
Yútawáts, proper name of the Ute
 17: 167.
Yutduc land cessions and reserva-
 tions 18: 784.
Yutum, synonym for Syujtun 44:
 36.
Yu'yunipi'tqana. *See* **Smohalla.**

Z

- Zabang, Mount,** heaven on 30: 136.
Zac
 and *ceh* symbols, comparison of 16:
 249.
 phonetic value of 16: 259.
 symbol, discussion of 16: 250.
Zacatecas
 a Mexican province 14: 545.
 missionary work in 14: 401.
Zacatla symbol in Mexican pictog-
 raphy 16: 244.
Zacaton
 history of 26: 25.
 See also **Jacaton.**
Zaczuy, a Zapotec goddess 16: 255.
Zagnato, an Awatobi synonym 17:
 594.
Zagoskin, L. A., mention of 46: 57,
 89, 127, 128, 130, 131, 132, 150,
 176, 181, 196, 202.
Zaguato, an Awatobi synonym 17:
 594.
Zaguato, an Awatobi synonym 17:
 594.
Zakiah Creek, implements found on
 15: 71.
Zaldívar, Don Juan, killed at Acoma
 47: 26.
Zaldízar, Vincente de, Acomas pun-
 ished by 47: 27.
Zaldyvar. *See* **Saldivar.**
Zaltieri, —, on Pecos 29: 476.
Zania Integrifolia, meal made of
 42: 692.
Zanthoxylum Americanum
 human transportation of 33: 59.
 medicinal constituents of 44: 305.
 medicinal properties of 44: 303.
 medicinal use of 42: 663.
 mention of 33: 98.
 use of 44: 294, 342, 364.
Zaparo Indian
 food of the 30: 297.
 natal customs of the 30: 325.
Zapotec
 and Oceanic terms, comparison of
 16: 262.
 day names of the 16: 206.
 method of forming numbers above
 ten 19: 885-888.
 numbers of the 19: 872, 930.
 terms, interpretation of 16: 218.
Zarabatana. *See* **Blowgun.**
Zaragoza, Justo
 editor of Suarez de Peralta 14: 364.
 on murder of Cortes's wife 14: 473.
Zárate-Salmeron, Geronimo de
 on Amoxiumqua 29: 395.
 on Chama Pueblo ruin 29: 148.
 on Cochiti 29: 439.
 on Galisteo 29: 482.
 on Gyusiwa 29: 393.
 on Jemez 29: 402.

Zárate-Salmeron, Geronimo de—
Continued

- on native American liquor 14: 516.
- on Puaray 29: 523.
- on San Pablo ruin 29: 508.
- on Sandia 29: 526.
- on Taos 29: 182.

Zarete, Firmen, acknowledgment to 25: 235, 236.**Zavala County, Tex.,** road through 42: 833.**Zea Mays**

- mention of 33: 67.
- probable place of origin of 33: 59.
- use of 44: 294, 307.

See also Corn.

Zébä-do-k'ia, another name of Ä'to-t'aiñ 17: 343.**Zeballos, Estanislao,** acknowledgment to 18: xxix.**Zeek-cimil,** meaning of 16: 250.**Zehnder, Bernard,** killed at Wounded Knee 14: 872.**Zeigler and Grosscup**

- on Cherokee myths 19: 467, 476, 478 sq.
- on East Cherokee chiefs 19: 175.
- on East Cherokee condition in about 1880 19: 176.
- on Junaluska 19: 164.
- on Jutaculla Old Fields 19: 479 sq.
- on Rumbling Bald 19: 471.

Zeisberger, Rev. David

- definition of terms in racket by, Delawares 24: 567.
- definition of terms in racket by, Onondaga 24: 592.
- on Delaware language 28: 275, 279, 290a, 290b.
- on Indian name for die 24: 70.
- on name Talliqe'wi 19: 19, 184.
- reference to 28: 228.

Zeleny, S. I., mention of 46: 127.**Zeltner, A. de**

- cited 6: 20, 22, 27, 43, 45, 140.
- description of Chiriquian vases by 6: 145 sqq.
- observations on graves in Chiriqui by 6: 14, 18, 19, 41, 42.

Zemis

- among the Carib 25: 68.
- amulets used as idols 25: 146.
- as totemic symbols 34: 232.

95719°—33—75

Zemis—Continued

- as totems 25: 59.
- carried by medicine-men 34: 232.
- figured by Charlevoix 25: 139.
- found in Hispaniola 34: 172.
- in houses of Haitians 25: 42.
- in shape of three-pointed stones 25: 121.
- materials from which made 25: 187.
- meaning of the term 25: 53 sq.
- pictograph of 25: 155.
- relation of, to serpent worship 25: 153.
- specimens of, figured by Charlevoix 25: 156.
- tri-pointed, characteristic of Greater Antilles 34: 180.
- with three points 25: 131.
- wooden 25: 201 sq.
- See also* Cemi; Three-pointed Stones.

Zemism

- mention of 25: 54–59.

See also Zemis.

Zenichi, Navaho gods 8: 265.**Zentino, Señora —,** skull obtained from 16: 65.**Zapeda, Señor Ramon,** work of, as Mexican interpreter 22, i: xii.**Zephier, David,** interpreter for Sioux delegation 14: 891.**Zephyr,** a man-being in Iroquoian cosmology 21: 171, 183, 185, 295, 296.**Zépko-eétte**

- attempt to arrest 17: 329.
- in raid against Texans 17: 319.
- Kiowa surrender induced by 17: 211.
- on expedition against Ute 17: 326.
- portrait of 17: 151.
- stealing of woman by 17: 294.
- visit to Pueblos by 17: 347.

Zha'zhe Ki-toⁿ Wi'-gi-e 43: 97–101, 110, 113.**Zhe** day symbol, discussion of 16: 229.**Zhinga'gahige, Ponca**

- group under 27: 178, 181.
- references to 27: 50, 409.

Zigzag

- in roulette decoration, Eastern United States pottery 20: 75.

Zigzag—Continued

- use of, in color decoration, Eastern United States pottery 20: 67.
- use of, in color decoration, Middle Mississippi Valley pottery 20: 86.

Zigzag Designs

- adjustment of 41: 270, 272.
- arrangement of 41: 274, 275.
- interpretation of 41: 309-312.
- use of 41: 244.

Zigzag Lines, symbolic use of, in pictures of Hopi kateinas 21: 72, 75, 76, 84, 87, 89.

Zigzag Sticks, use of, as lightning symbol, in pictures of Hopi kateinas 21: 43, 92.

Zile, Col. Z. A.

- acknowledgment to 19: 13.
- on Cherokee roundup 19: 131.

Zinapipo for talismanic necklace 38: § 535.

Zingomenes, a Spokane synonym 14: 732.

Zinnia, use of, in medicine 30: 45.

Zionville, N. C., trail passing 42: 772.

Zip

- explanation of the name 16: 255.
- month symbol in the codices 16: 249.

Zipias, account of the 13: 328.

Zitkala-noni, survivor of Wounded Knee 14: 878, 879.

Zitkalazi, Herbert, survivor of Wounded Knee 14: 880.

Zively, Maj. V. N., report of, on Camino Real 42: 830.

Zivola, synonym for Cibola 47: 23.

Zizania Aquatica 19: 1021; 33: 56, 67.

Zizania Miliacea 19: 1022.

Zizania Palustris

- use of 44: 294, 307.
- See also Wild Rice.

Zizyphus Lycioides

- digging sticks made of, Pima 26: 97.
- food plant, Pima 26: 76.
- medicinal plant, Pima 26: 79.

Zni-nax, definition of 16: 259.

Zoic Character of Seri socialry 17: 293*, 295*.

Zoller, Señor —, archeological specimens presented by 25: 18, 117, 118, 119, 183.

Zoo symbol in heiroglyphs 16: 225.

Zooculture

- researches concerning 17: LIII.
- Seri incapacity for 17: 203* sq.

Zoological Park, in Washington, D. C. ancient quarry in 15: 66.

- erection of wigwam in 18: xxvii, xxxv.

Zoomimic Stage of primitive technique, definition of 17: 249* sq., 252*.

Zoosematic Character of Seri face-painting 17: 169*.

Zootheism

- among American Indians 11: 67, 393.
- definition of 1: 30 sqq.; 15: 179; 16: 22.

Zoñtam, Paul, house of, noted on calendar 17: 347.

Zoñtom, Mary

- acknowledgment to 14: 655.

Ghost song composed by 14: 1085.

Zoque, formation of number words in 19: 873 sq., 880, 907, 930.

Zotz symbol in Maya hieroglyph 16: 225.

Zo'tzi-ha, mention of, in Popol Vuh 16: 225.

Zuaque

- games of the 24:
 - ball race 666, 678.
 - dice games 154.
 - hidden ball 356 sq.
 - shinny 631.

Zuck, Frank

- aid given to Dr. J. W. Fewkes by 22, i: 120-164.
- cemetery of ancient Pinedale ruin discovered by 22, i: 166.

Zuguato, an Awatobi synonym 17: 594.

Zuition, definition of 16: 259.

Zul symbol in Dresden Codex 16: 225.

Zulu, tattoo marks of the 10: 415 sq.

Zuñi

- a many storied pueblo 16: 155.
- absence of cremation at 28: 117.
- adoption of site of 13: 215, 259.

Zuñi—Continued

- aid refused to 47: 204-265.
 and other pottery, comparison of 17: 623.
 animal worship 2: 11.
 arrival of the Asanyumu at 8: 30.
 burial customs at 14: 519.
 Calako masks of, display of, at Pamürti 21: 65, 66.
 ceremonials of 14: XLV, 544.
 character of masonry of 16: 163.
 claim of, to Sichomovi 21: 26, 62.
 collections from 2: 337; 3: 521-586; 6: XLIX; 18: XXVIII, XLVII.
 cooking pots, collection of 3: 564 sqq.
 Coronado at 47: 23.
 creation myths of 13: XXXVIII, XLIV, LVII, 321-447.
 defensive character of 13: 215.
 derivation of Alo mana from 21: 109.
 derivation of Atoele from 21: 71, 75.
 derivation of Kawikoli from 21: 96.
 derivation of Kwacus Alek Taka from 21: 109.
 derivation of words from 21: 97.
 description of pueblo of 8: 97 sqq.
 discovery of 14: LVII.
 dwellings of 28: 150, 219.
 early inhabitants of 28: 154, 159, 218.
 excavations near 39: 10.
 farming villages of 16: 92, 156.
 fetiches, article on, discussion of 2: XXVI.
 fetiches, by F. H. Cushing 2: 3.
 fetichism, origin of 2: 12.
 hair of Hokyaña mana dressed in fashion of 21: 95.
 healds 3: 389.
 history of 13: 341.
 Iliad 2: 12.
 isolation of, from Caucasian civilization 2: 321.
 kivas in 13: 257.
 loom implements, collection of 3: 580.
 method of baking pottery 2: 330.
 model of 13: XXXVIII.
 mythology 2: 11.

Zuñi—Continued

- occurrence of pottery forms common at, in Middle Mississippi Valley 20: 88.
 or A'-shi'wi 2: 9.
 origin of Kintiel 17: 534, 591.
 paint jars, collection of 3: 573.
 paint pots, collection of 3: 570-573.
 philosophy 2: 9.
 priests or A'-shi-wa-ni 2: 12.
 plans and description of villages of 8: 94-99.
 population of 13: 195.
 portion of site of, formerly occupied by Halona 8: 88.
 pottery of 28: 159.
 pueblos 3: XXI.
 references to 28: 46, 62, 220.
 researches at 28: 11.
 ruins, exploration of 7: XXVII sq.
 sacrifice of dog at 15: 303.
 Shako ceremony of 17: 700.
 situation of 2: 321.
 snake figures on pottery of 17: 677.
 southern origin of clans of 17: 574.
 Spanish history of 13: 326.
 specimens of woven fabrics from 2: 373.
 stick-swallowing at 17: 664.
 studies of, by Mrs. Stevenson 6: XXIX; 13: XXX; 19: XLVIII.
 study of fraternities and cults of 19: XLVII.
 study of models of altars of 19: XLVIII.
 survey of pueblo of 8: 14.
 tradition as to occupancy of Kintiel by the 8: 92.
 trip to the Atlantic Ocean 3: XX.
 visit of Dr. J. W. Fewkes to 22, i: 18.
See also Cibola; Sioki; Zuñi Indian.
Zuni Area, archeological reconnaissance of 47: 6.
Zuñi Calako, came from Minima 19: 612.
Zuñi Dick, material furnished by 24: 727.
Zuñi Indian
 and Hopi ceremonies, comparison of 15: 265, 296, 303, 304, 306 sq.

Zuñi Indian—Continued

- "beast gods" of the 29: 43.
- cardinal birds of the 29: 43.
- cardinal identification of six regions 29: 45.
- cardinal mountains of 29: 44.
- cardinal snakes of the 29: 43.
- cardinal trees of the 29: 44.
- ceremonial reception of, at Tusayan 15: 301.
- ceremonial use of color by 10: 623 sq.
- ceremonials of 24: 432; 26: 250.
- characteristics of 47: 480.
- color scheme of the 29: 42.
- coloring materials used by 10: 221.
- conditions of life of 47: 473 sq.
- cult societies of the 11: 73.
- culture growth of the 6: XLVI, XLVII.
- culture growth of the, illustrated by Pueblo pottery 4: 467-521.
- customs of, reference to 11: 369.
- Earth Mother of the 29: 51 sq.
- ethnobotany of the 30: 25, 31-102; 36: 30.
- folklore of the 5: XXXIII, XXXIV; 26: 24 sq.
- foot-racing among the 14: 247.
- fruit preserves made by 14: 487.
- games of the 24:
 - archery 383, 396-399.
 - ball juggling 712, 714.
 - ball race 666, 668, 682-697.
 - bean shooter 761.
 - bull roarer 750.
 - buzz 757.
 - cat's cradle 761 sq., 766, 774, 777 sqq.
 - dice games 46 sq., 120, 210.
 - European games 799 sqq.
 - hidden ball 336 sq., 372-382.
 - hoop and pole 526 sq.
 - quoits 722, 726 sq.
 - ring and pin 560 sq.
 - shinny 646 sq.
 - shuttlecock 717, 719 sqq.
 - stick games 266.
 - stilts 731, 732.
 - tipcat 721.
 - tops 749 sq.
 - tor stick 668.
 - tossed ball 710 sq.
 - unclassified 787.

Zuñi Indian—Continued

- general sketch of 30: 35-38.
- home of the 23: 13, 14.
- Hopi katecinas derived from 21: 60, 107, 108, 112, 125.
- Hopi festivals, appearance of, in 21: 17, 18.
- identification of, with Hohokam 26: 26.
- illustration of ornamentation by 6: 239.
- influence of civilization on 15: 304, 306.
- intermarriage of, with other tribes 29: 403.
- intermingling of, with Hopi Indians, in ancient times 22, i: 125.
- land cessions and reservations 18: 890, 910, 918, 922.
- legends of, concerning home of katecinas 22, i: 144 sq.
- marriage customs of the 17: 286*.
- medical practice of the 30: 39.
- mention of the 4: 194, 195; 19: 610.
- month names of 29: 62, 63-66.
- mythology of, mention of 29: 419 sq., 514, 537.
- mythology of, reference to monograph on 21: xxx.
- mythology of the 24:
 - Ahaiyuta, one of the Twin War Gods 33 sq., 210, 211, 215, 216, 422, 425.
 - Iyatico, mother of games 792.
 - Matsailema, one of the Twin War Gods 210, 211, 215, 216, 422.
 - Misena, Eagle Star God 164, 215.
 - Spider Woman 32, 424, 441, 779.
 - War Gods 33, 46, 211, 423, 425, 527, 529, 666.
- mythology, work on 20: xxii.
- myths and ceremonies, monograph on 23: xl.
- myths and ceremonies, monograph on, work on 22, i: xxxvi.
- name of Acoma among the 14: 490.
- Pamürti, appearance of, in 21: 26.
- Pamürti, celebration of advent of, in 21: 57.
- paper on 27: 7; 34: 26.
- paper on ethnobotany of 37: 27.
- personages adopted in Tusayan 15: 297.

Zuñi Indian—Continued

- philosophy of, environment 23: 14, 15.
- phratries of the 15: CXXI.
- pictographs of the 4: 16, 28, 60.
- plants of the 30:
 - ceremonial uses 87-100.
 - edible 65-76.
 - index list 101 *sq.*
 - medicinal 39-64.
 - name derived from 86.
 - used in basketry 81.
 - used in dyeing 80.
 - used in folklore 84 *sq.*
 - used in pottery decoration 82.
 - used in toilet 83.
 - used in weaving 77.
- pottery of the 4: 78, 290, 293, 300, 333, 344.
- pottery of the, inferiority of, as compared to that of Hopi Indians 22, i: 129.
- priests, journey to the Atlantic 4: 483.
- principal game of the 29: 530.
- quatern symbols used by the 22, i: XVI.
- religious beliefs of the 15: 267.
- religious life of the Zuñi child 5: L-LIII, 533-555.
- researches among the 5: xxv-xxix; 25: xv *sq.*; 26: xvii; 29: 11; 30: 16.
- researches concerning the 11: xxx.
- resemblance of rain priests of, to katchina fathers 21: 56.
- residence of deceased 23: 20.
- Roman Catholic faith, effect of, on 23: 15.
- salt supply of 14: 550.
- sand paintings of 10: 210 *sq.*

Zuñi Indian—Continued

- scheme of year of the 29: 62.
- skill on water jars 4: 498, 500.
- studies of the 15: xxii, xxvii, xxxiv, xxxix, xliv, xlviii, liii, lvi, lxi, lxiv, lxvii, lxxxvii.
- study of architecture of 10: xvii.
- style of women's ceremonial head-dress of, identical with that of Hopak 21: 89.
- symbolic colors of 11: 532.
- symbolic decorations of 25: xii.
- symbols used by the 10: 612.
- tally stick of 10: 259.
- tame eagles among the 14: 516.
- treatment of Mexicans by, at ceremonies 14: 361.
- water supplied to earth by deceased 23: 20.
- work among the 17: liv; 18: xxvii *sq.*, xxxii *sq.*
- See also* Sio; Zuñi; and references.
- Zuñi Language**, discussion of 47: 618 *sqq.*
- Zuñi Nick**, acknowledgment to 30: 38.
- Zuñi Reservation**, excavations at 48: 9.
- Zuñi River**, crossing of, by Coronado 14: 482.
- Zuñian Family**, mention of 7: 138 *sq.*
- Zünni-jinné**. *See* Kinnazinde.
- Zurina Indian**, carving by the 30: 140.
- Zutucapan**
 - an Acoma chief 47: 26.
 - Zaldívar killed by 47: 26.
- Zygadenus Elegans** 45: 463, 508, 511, 512.
- Zygophyceae**, mention of 33: 61.

PART II

LIST OF ANNUAL REPORTS
OF THE BUREAU OF AMERICAN ETHNOLOGY
WITH AN INDEX TO AUTHORS AND TITLES
AND AN INTRODUCTORY NOTE

INTRODUCTORY NOTE

The importance of conducting ethnological research among the North American Indians was recognized by the United States Government as early as 1795, when Leonard S. Shaw was appointed deputy agent among the Cherokee, and was instructed by the then Secretary of War to study their language and home life and to collect materials for an Indian history. The Lewis and Clark expedition of 1804–1806 was planned by President Jefferson, who expressly instructed the members of the expedition to collect ethnological data on the Indians. During much of his life Jefferson manifested a deep interest in the ethnology of the American tribes and contributed many papers on them which are of scientific value even to-day. In 1820 Rev. Jedidiah Morse was commissioned to ascertain for the use of the Government “the actual state of the Indian tribes” of America. Schoolcraft’s works on the Indian tribes were aided by the Government; the War Department had made many expeditions and surveys in the West, and had published papers relating to the western districts; the cliff dwellings, pueblos, and tribes of the Mississippi Valley had been described by the Hayden survey; Maj. J. W. Powell, as chief of the United States Geographical and Geological Survey of the Rocky Mountain region, had studied and published his results on the tribes of the Rio Colorado region; but as yet no systematic research had commenced.

In 1877 began the publication of a series of ethnologic reports in quarto form under the title “Contributions to North American Ethnology.” After the United States Geographical and Geological Survey of the Rocky Mountain region was merged in the United States Geological Survey, provisions were made by Congress to continue the ethnologic researches and publications, and in 1879 the Bureau of Ethnology was organized and placed under the supervision of the Smithsonian Institution. Prof. Spencer F. Baird, Secretary of the Smithsonian Institution, selected Maj. J. W. Powell as the person most suitable to be the director of the new bureau.

Since its inception in 1879, the bureau, by the publication of its annual reports, bulletins, and contributions, and by answering questions of correspondents relative to Indian tribes, has continually helped to diffuse knowledge, and to make itself known in every civilized country in the world.

The strictly scientific results accomplished by the Bureau of American Ethnology relate to every department of anthropologic science—somatological, psychological, linguistic, sociologic, religious, technic, and esthetic—and are embodied principally in the annual reports,

though much of this material is to be found in the bulletins and contributions. Among the practical results accomplished are: "(1) A study of the relations, location, and numbers of the tribes, and their classification into groups or families, based on affinity in language—a necessary basis for dealing with the tribes practically or scientifically; (2) a study of the numerous sociologic, religious, and industrial problems involved, an acquaintance with which is essential to the intelligent management of the tribes in adjusting them to the requirements of civilization; (3) a history of the relations of Indian and white races embodied in a volume on land cessions; (4) investigation into the physiology, medical practices, and sanitation of a people who suffer keenly from imperfect adaptation to the new conditions imposed on them; (5) the preparation of bibliographies embodying all works relating to the tribes; (6) a study of their industrial and economic resources; (7) a study of the antiquities of the country with a view to their record and preservation; (8) a handbook of the tribes, embodying, in condensed form, the accumulated information of many years";¹ (9) the preservation of texts in aboriginal languages which are fast disappearing along with the culture to which they belong, and thus providing students and those engaged in commercial enterprises with the means of acquiring these languages; and (10) the publication of a series of handbooks on tribes of different geographical areas compiled and collated by the highest available authorities.

Maj. J. W. Powell, the director and founder of the Bureau of American Ethnology, died September 23, 1902, and on October 11 of the same year Mr. W. H. Holmes was appointed to succeed him, with the title of "chief of the bureau." Mr. Holmes remained in office for nearly 9 years. On January 1, 1910, he severed his official connection with the bureau in order to resume his place as head curator of anthropology in the United States National Museum, and to become the curator of the National Gallery of Art. Mr. F. W. Hodge was designated to assume the administration of the bureau under the title "ethnologist in charge," which position he occupied until March 1, 1918. On that day Mr. Hodge resigned in order to accept a position in the Museum of the American Indian (Heye Foundation), and Dr. J. Walter Fewkes was appointed chief of the bureau. Doctor Fewkes continued in office until January 15, 1928, when, shortly before his death, he retired. Mr. Matthew W. Stirling, the present chief, entered upon his duties as chief of the Bureau of American Ethnology on August 1, 1928. In addition to the chief, the scientific staff of the bureau comprises, in 1931, seven ethnologists, viz, Mr. J. N. B. Hewitt, Mr. J. P. Harrington, Dr. Truman Michelson, Dr. Frank H. H. Roberts, jr., Dr. W. D. Strong, Dr. John R. Swanton, and Dr.

¹ W. H. Holmes, in *Handbook of the American Indians North of Mexico*, Washington, 1907, Vol. I, p. 173 (Bull. 30, Bur. Amer. Ethn.).

W. M. Walker. Besides the seven ethnologists there are numerous others who are not directly connected with the bureau, but who contribute or have contributed from time to time to the annual reports. These may be classed as collaborators and contributors. The collaborator of the bureau is Miss Frances Densmore, whose special field of study is Indian music. The contributors² are: Martha Warren Beckwith, Franz Boas, Biren Bonnerjea, John G. Bourke, Ruth L. Bunzel, Stewart Culin, Jeremiah Curtin, Frank H. Cushing, William H. Dall, Edwin Thompson Denig, Frances Densmore, J. Owen Dorsey, Jesse Walter Fewkes, Alice C. Fletcher, Gerard Fowke, Thomas Gann, Albert S. Gatschet, Melvin Randolph Gilmore, H. K. Haeberlin, J. P. Harrington, H. W. Henshaw, J. N. B. Hewitt, W. J. Hoffman, E. S. Holden, W. H. Holmes, Aleš Hrdlička, George Hunt, Albert Ernest Jenks, Francis La Flesche, Clay MacCauley, W. J. McGee, Garrick Mallery, Washington Matthews, Truman Michelson, C. Mindeleff, V. Mindeleff, James Mooney, Earl H. Morris, M. A. Muñiz, John Murdoch, William Edward Myer, E. W. Nelson, Elsie Clews Parsons, J. C. Pilling, J. W. Powell, Paul Radin, Stephen R. Riggs, Helen H. Roberts, Walter E. Roth, C. C. Royce, Frank Russell, Erminnie A. Smith, Frank G. Speck, Elsie Viault Steedman, James Stevenson, Matilda Coxe Stevenson, John R. Swanton, Gladys Tantaquidgeon, James A. Teit, Cyrus Thomas, Lucien M. Turner, Leslie A. White, George P. Winship, and H. C. Yarrow.

The first annual report for the fiscal year 1879-80 was published in royal octavo form, and since then one annual report has been published for each fiscal year, except for the fiscal years 1919-1924, for which only one volume was issued (forty-first annual report), and they are all in royal octavo form. Until 1895 the reports were specially authorized by Congress, usually through concurrent resolutions, but since that date they have been issued under authority of the public printing law, approved January 12, 1895. At the close of the fiscal year 1930 forty-six annual reports have appeared (the fourteenth, seventeenth, eighteenth, nineteenth, twenty-second, and thirty-fifth, each in two parts or volumes), in all 52 volumes. The forty-seventh annual report (included in the index volume) is in the final proof form, and the forty-eighth annual report (general index) is in preparation.

The present (1931) maximum edition of the annual reports is 4,204, not including a few copies, generally between 100 and 500, ordered by the Superintendent of Documents for sale. Of the 4,204 copies the Bureau of American Ethnology receives 3,500 copies; the remaining 704 copies are distributed to Government libraries, etc. The quota (3,500 copies) allowed to the bureau is distributed free of charge, mainly to libraries and institutions of learning, and to collaborators and others engaged in anthropological research or in instruction. Nearly all annual reports are out of print.

² Contributors whose papers have appeared in the Annual Reports.

ANNUAL REPORTS OF THE BUREAU OF AMERICAN ETHNOLOGY

First Annual Report of the Bureau of Ethnology to the Secretary of the Smithsonian Institution, 1879-1880, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1881.

Roy. 8°. xxxv, 603 p., 347 fig. (incl. 54 pl.), map.

Report of the director. P. xi-xxxiii.

On the Evolution of Language, as Exhibited in the Specialization of the Grammatic Processes, the Differentiation of the Parts of Speech, and the Integration of the Sentence; from a Study of Indian Languages, by J. W. Powell. P. 1-16.

Sketch of the Mythology of the North American Indians, by J. W. Powell. P. 17-56.

Wyandot Government: A Short Study of Tribal Society, by J. W. Powell. P. 57-69.

On Limitations to the Use of Some Anthropologic Data, by J. W. Powell. P. 71-86.

A Further Contribution to the Study of the Mortuary Customs of the North American Indians, by Dr. H. C. Yarrow, acting assistant surgeon, U. S. Army. P. 87-203.

Studies in Central American Picture-Writing, by Edward S. Holden, professor of mathematics, U. S. Naval Observatory. P. 205-245.

Cessions of Land by Indian Tribes to the United States: Illustrated by Those in the State of Indiana, by C. C. Royce. P. 247-262.

Sign Language Among North American Indians Compared with that Among Other Peoples and Deaf-Mutes, by Garrick Mallery. P. 263-552.

Catalogue of Linguistic Manuscripts in the Library of the Bureau of Ethnology, by James C. Pilling. P. 553-577.

Illustration of the Method of Recording Indian Languages. From the manuscripts of Messers J. Owen Dorsey, A. S. Gatschet, and S. R. Riggs. P. 579-589.

Index.

Second Annual Report of the Bureau of Ethnology to the Secretary of the Smithsonian Institution, 1880-1881, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1883 (1884).

Roy. 8°. xxxvii, 477 p., 77 pl., fig. 1-35, 347-714 (382 of these forming 98 pl.), 2 maps.

Report of the director. P. xv-xxxvii.

Zuñi Fetiches, by Frank Hamilton Cushing. P. 3-45.

Myths of the Iroquois, by Erminnie A. Smith. P. 47-116.

Animal Carvings from Mounds of the Mississippi Valley, by Henry W. Henshaw. P. 117-166.

Navajo Silversmiths, by Dr. Washington Matthews, U. S. Army. P. 167-178.

Illustrated Catalogue of the Collections Obtained from the Indians of New Mexico and Arizona in 1879, by James Stevenson. P. 307-422.

Index.

Third Annual Report of the Bureau of Ethnology to the Secretary of the Smithsonian Institution, 1881-1882, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1884 (1885).

Roy. 8°. LXXIV, 606 p., 44 pl., 200 (+ 2 unnumbered) fig.

Report of the director. P. XII-LXXIV.

On Activital Similarities. P. LXV-LXXIV.

Notes on Certain Maya and Mexican Manuscripts, by Prof. Cyrus Thomas. P. 3-65.

On Masks, Labrets, and Certain Aboriginal Customs, with an Inquiry into the Bearing of Their Geographical Distribution, by William Healey Dall, assistant, U. S. Coast Survey; honorary curator, U. S. National Museum. P. 67-202.

Omaha Sociology, by Rev. J. Owen Dorsey. P. 205-370.

Navajo Weavers, by Dr. Washington Matthews, U. S. Army. P. 371-391.

Prehistoric Textile Fabrics of the United States, Derived from Impressions on Pottery, by William H. Holmes. P. 393-425.

Illustrated Catalogue of a Portion of the Collections made by the Bureau of Ethnology During the Field Season of 1881, by William H. Holmes. P. 427-510.

Illustrated Catalogue of the Collections Obtained from the Pueblos of Zuñi, New Mexico, and Wolpi, Arizona, in 1881, by James Stevenson. P. 511-594.

Index.

Fourth Annual Report of the Bureau of Ethnology to the Secretary of the Smithsonian Institution, 1882-1883, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1886 (1887).

Roy. 8°. LXIII, 532 p., 83 pl., 565 fig.

Report of the director. P. XXVII-LXIII.

Pictographs of the North American Indians; a Preliminary Paper, by Garrick Mallery. P. 3-256.

Pottery of the Ancient Pueblos, by William H. Holmes. P. 257-360.

Ancient Pottery of the Mississippi Valley, by William H. Holmes. P. 361-436.

Origin and Development of Form and Ornament in Ceramic Art, by William H. Holmes. P. 437-465.

A Study of Pueblo Pottery as Illustrative of Zuñi Culture Growth, by Frank Hamilton Cushing. P. 467-521.

Index.

Fifth Annual Report of the Bureau of Ethnology to the Secretary of the Smithsonian Institution, 1883-1884, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1887 (1888).

Roy. 8°. LIII, 564 p., 23 pl. (incl. 2 pocket maps), 77 fig.

Report of the director. P. XVII-LIII.

Burial Mounds of the Northern Sections of the United States, by Prof. Cyrus Thomas. P. 3-119.

The Cherokee Nation of Indians; a Narrative of Their Official Relations with the Colonial and Federal Governments, by Charles C. Royce. P. 121-378.

The Mountain Chant: A Navajo Ceremony, by Dr. Washington Matthews, U. S. Army. P. 379-467.

The Seminole Indians of Florida, by Clay MacCauley. P. 469-531.

The Religious Life of the Zuñi Child, by Mrs. Tilly E. Stevenson. P. 533-555.

Index.

Sixth Annual Report of the Bureau of Ethnology to the Secretary of the Smithsonian Institution, 1884-1885, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1887 (1888).

Roy. 8°. LVIII, 675 p. (incl. 6 p. of music), 10 pl. (incl. 2 pocket maps), 546 fig., 44 small unnumbered cuts.

Report of the director. P. XXIII-LVIII.

Ancient Art of the Province of Chiriqui, Colombia, by William H. Holmes. P. 3-187.

A Study of the Textile Art in Its Relation to the Development of Form and Ornament, by William H. Holmes. P. 189-252.

Aids to the Study of the Maya Codices, by Prof. Cyrus Thomas. P. 253-371.

Osage Traditions, by Rev. J. Owen Dorsey. P. 373-397.

The Central Eskimo, by Dr. Franz Boas. P. 399-669.

Index.

Seventh Annual Report of the Bureau of Ethnology to the Secretary of the Smithsonian Institution, 1885-1886, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1891 (1892).

Roy. 8°. XLIII, 409 p., 27 pl. (incl. pocket map), 39 fig.

Report of the director. P. xv-XLI.

Indian Linguistic Families of America North of Mexico, by J. W. Powell. P. 1-142.

The Midé'wiwin or "Grand Medicine Society" of the Ojibwa, by W. J. Hoffman. P. 143-300.

The Sacred Formulas of the Cherokees, by James Mooney. P. 301-397.

Index.

Eighth Annual Report of the Bureau of Ethnology to the Secretary of the Smithsonian Institution, 1886-1887, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1891 (1893).

Roy. 8°. XXXVI, 298 p., 123 pl., 118 fig.

Report of the director. P. XIII-XXXVI.

A Study of Pueblo Architecture: Tusayan and Cibola, by Victor Mindeleff. P. 3-228.

Ceremonial of Hasjelti Dailjis and Mythical Sand Painting of the Navajo Indians, by James Stevenson. P. 229-285.

Index.

Ninth Annual Report of the Bureau of Ethnology to the Secretary of the Smithsonian Institution, 1887-1888, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1892 (1893).

Roy. 8°. XLVI, 617 p., 8 pl., 448 fig.

Report of the director. P. XIX-XLVI.

Ethnological Results of the Point Barrow Expedition, by John Murdoch, naturalist and observer, International Polar Expedition to Point Barrow, Alaska, 1881-1883. P. 3-441.

The Medicine-Men of the Apache, by John G. Bourke, captain, Third Cavalry, U. S. Army. P. 443-603.

Index.

Tenth Annual Report of the Bureau of Ethnology to the Secretary of the Smithsonian Institution, 1888-1889, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1893. (1894).

Roy. 8°. xxx, 822 p., 54 pl., 1291 fig., 116 small unnumbered cuts.

Report of the director. P. III-xxx.

Picture-writing of the American Indians, by Garriek Mallery. P. 3-807.

Index.

Eleventh Annual Report of the Bureau of Ethnology to the Secretary of the Smithsonian Institution, 1892-1893, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1894.

Roy. 8°. XLVII, 553 p., 50 pl., 200 fig.

Report of the director. P. XXI-XLVII.

The Sia, by Matilda Coxe Stevenson. P. 3-157.

Ethnology of the Ungava District, Hudson Bay Territory, by Lucien M. Turner. Edited by John Murdoch. P. 159-350.

A Study of Siouan Cults, by James Owen Dorsey. P. 351-544.

Index.

Twelfth Annual Report of the Bureau of Ethnology to the Secretary of the Smithsonian Institution, 1890-1891, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1894.

Roy. 8°. XLVIII, 742 p., 42 pl., 344 fig.

Report of the director. P. XIX-XLVIII.

Report on the Mound Exploration of the Bureau of Ethnology, by Cyrus Thomas. P. 3-730.

Index.

Thirteenth Annual Report of the Bureau of Ethnology to the Secretary of the Smithsonian Institution, 1891-1892, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1896.

Roy. 8°. LIX, 462 p., 60 pl., 330 fig.

Report of the director. P. XIX-LIX.

Prehistoric Textile Art of Eastern United States, by William Henry Holmes. P. 3-46.

Stone Art, by Gerard Fowke. P. 47-178.

Aboriginal Remains in Verde Valley, Arizona, by Cosmos Mindeff. P. 179-261.

Omaha Dwellings, Furniture, and Implements, by James Owen Dorsey. P. 263-288.

Casa Grande Ruin, by Cosmos Mindeff. P. 289-319.

Outlines of Zuñi Creation Myths, by Frank Hamilton Cushing. P. 321-447.
Index.

Fourteenth Annual Report of the Bureau of Ethnology to the Secretary of the Smithsonian Institution, 1892-1893, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1896 (1897). In two parts—part 1, part 2.

Roy. 8°. Two parts. LXI, 1-637; 639-1136 p., 122 pl., 104 fig.

Report of the director. P. xxv-LXI.

The Menomini Indians, by Walter James Hoffman, M. D. P. 3-328.

The Coronado Expedition, 1540-1542, by George Parker Winship. P. 329-613.

Index to part 1.

The Ghost-dance Religion and the Sioux Outbreak of 1890, by James Mooney. P. 641-1110.

Index to part 2.

Fifteenth Annual Report of the Bureau of Ethnology to the Secretary of the Smithsonian Institution, 1893-1894, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1897.

Roy. 8°. cxxi, 366 p., frontispiece, 125 pl., 49 fig.

Report of the director. P. xv-cxxi.

On Regimentation. P. civ-cxxi.

Stone Implements of the Potomac-Chesapeake Tidewater Province, by William Henry Holmes. P. 3-152.

The Siouan Indians: A Preliminary Sketch, by W. J. McGee. P. 153-204.

Siouan Sociology: A Posthumous Paper, by James Owen Dorsey. P. 205-244.

Tusayan Katchinas, by Jesse Walter Fewkes. P. 245-313.

The Repair of Casa Grande Ruin, Ariz., in 1891, by Cosmos Mindeff. P. 315-349.

Index.

Sixteenth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1894-1895, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1897.

Roy. 8°. cxix, 326 p., 81 pl., 83 fig.

Report of the director. P. xiii-cxix.

List of Publications of the Bureau of American Ethnology. P. ci-cxix.

Primitive Trephining in Peru, by Manuel Antonio Muñiz and W. J. McGee. P. 3-72.

The Cliff-ruins of Canyon de Chelly, Arizona, by Cosmos Mindeff. P. 73-198.

Day Symbols of the Maya Year, by Cyrus Thomas. P. 199-265.

Tusayan Snake Ceremonies, by Jesse Walter Fewkes. P. 267-312.

Index.

Seventeenth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1895-1896, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1898. In two parts—part 1, part 2. (Pt. 1, 1900; Pt. 2, 1901.)

Roy. 8°. Two parts, xcv, 1-128, 129*-344*, 129-468; 465-752 p., 182 pl., 357 fig.

Report of the director. P. xxv-xciii.

List of Publications of the Bureau of American Ethnology. P. lxxv-xciii.

The Seri Indians, by W. J. McGee. P. 1-128, 129*-344*.

Comparative Lexicology of the Serian and Yuman Languages, by J. N. B. Hewitt. P. 299*-344*.

Calendar History of the Kiowa Indians, by James Mooney. P. 129-445.

Index to part 1.

Navaho Houses, by Cosmos Mindeleff. P. 469-517.

Archeological Expedition to Arizona in 1895, by Jesse Walter Fewkes. P. 519-744.

Index to part 2.

Eighteenth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1896-1897, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1899. In two parts—part 1, part 2. (Pt. 1, 1901; Pt. 2, 1902.)

Roy. 8°. Two parts. LVII, 1-518; 519-997 p., 174 pl., 165 fig.

Report of the director. P. xxiii-lvii.

The Eskimo About Bering Strait, by William Edward Nelson. P. 3-518.

Indian Land Cessions in the United States, compiled by Charles C. Royce, with an introduction by Cyrus Thomas. P. 521-964.

Index.

Nineteenth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1897-1898, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1900 (1902). In two parts—part 1, part 2.

Roy. 8°. Two parts. xcii, 1-568, 569*-576*, 569-1160 p., frontispiece, 80 pl., 49 fig.

Report of the director. P. ix-xcii.

Esthetology, or the Science of Activities Designed to Give Pleasure. P. lv-xcii.

Myths of the Cherokee, by James Mooney. P. 3-548.

Index to part 1.

Tusayan Migration Traditions, by Jesse Walter Fewkes. P. 573-633.

Localization of Tusayan Clans, by Cosmos Mindeleff. P. 635-653.

Mounds in Northern Honduras, by Thomas Gann. P. 655-692.

Mayan Calendar Systems, by Cyrus Thomas. P. 693-819.

Primitive Numbers, by W. J. McGee. P. 821-851.

Numeral Systems of Mexico and Central America, by Cyrus Thomas. P. 853-955.

Tusayan Flute and Snake Ceremonies, by Jesse Walter Fewkes. P. 957-1011.

The Wild-rice Gatherers of the Upper Lakes; a Study in American Primitive Economics, by Albert Ernest Jenks. P. 1013-1137.

Index to part 2.

Twentieth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1898-1899, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1903.

Roy. 8°. ccxxiv, 237 p., 180 pl., 79 fig.

Report of the director. P. xxix-lvii.

Technology, of the Science of Industries. P. xxix-lvii.

Sociology, or the Science of Institutions. P. lix-cxxxviii.

Philology, or the Science of Activities Designed for Expression. P. cxxxix-clxx.

Sophiology, or the Science of Activities Designed to Give Instruction. P. clxxi-cxcvii.

List of Publications of the Bureau of American Ethnology. P. cxcix-ccxxiii.

Aboriginal Pottery of the Eastern United States, by W. H. Holmes. P. 1-201.

Index.

Twenty-first Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1899-1900, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1903.

Roy. 8°. xl, 360 p., 69 pl.

Report of the director. P. vii-xl.

Hopi Kachinas, Drawn by Native Artists, by Jesse Walter Fewkes. P. 3-126.

Iroquoian Cosmology, by J. N. B. Hewitt. P. 127-339.

Index.

Twenty-second Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1900-1901, by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1903. In two parts—part 1, part 2.¹

Roy. 8°. Two parts. xliv, 1-320; 1-372 p., 91 pl., 178 fig.

Report of the acting director. P. vii-xliv.

Two Summers' Work in Pueblo Ruins, by Jesse Walter Fewkes. P. 3-195.

Mayan Calendar Systems. II, by Cyrus Thomas. P. 197-305.

Index to part 1.

The Hako, a Pawnee Ceremony, by Alice C. Fletcher, holder of Thaw Fellowship, Peabody Museum, Harvard University. P. 5-368.

Index to part 2.

Twenty-third Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1901-1902,

¹ In the general index (Forty-eighth Annual Report) the two parts of the Twenty-second Annual Report are referred to as 22, i and 22, ii, respectively.

by J. W. Powell, director. (Vignette.) Washington, Government Printing Office, 1904 (1905).

Roy. 8°. XLV, 634 p., 139 pl., 34 fig.

Report of the acting director. P. VII-XLV.

The Zuñi Indians; Their Mythology, Esoteric Fraternities, and Ceremonies,
by Matilda Coxe Stevenson. P. 1-608.

Index.

Twenty-fourth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1902-1903, by W. H. Holmes, chief. (Vignette.) Washington, Government Printing Office, 1907.

Roy. 8°. XL, 846 p., 21 pl., 1112 fig.

Report of the chief. P. VII-XL.

Games of the North American Indians, by Stewart Culin. P. 3-809.

Index.

Twenty-fifth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1903-1904, by W. H. Holmes, chief. (Vignette.) Washington, Government Printing Office, 1907.

Roy. 8°. XXIX, 296 p., 129 pl., 70 fig.

Report of the chief. P. IX-XXIX.

The Aborigines of Porto Rico and Neighboring Islands, by Jesse Walter Fewkes. P. 3-220.

Certain Antiquities of Eastern Mexico, by Jesse Walter Fewkes. P. 221-284.

Index.

Twenty-sixth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1904-1905, by W. H. Holmes, chief. (Vignette.) Washington, Government Printing Office, 1908.

Roy. 8°. XXXI, 512 p., 58 pl., 117 fig.

Report of the chief. P. VII-XXXI.

The Pima Indians, by Frank Russell. P. 3-389.

The Tlingit Indians, by John R. Swanton. P. 391-485.

Index.

Twenty-seventh Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1905-1906, by W. H. Holmes, chief. (Vignette.) Washington, Government Printing Office, 1911.

Roy. 8°. P. 672, 65 pl., 132 fig.

Report of the chief. P. 5-14.

The Omaha Tribe, by Alice C. Fletcher, holder of the Thaw Fellowship, Peabody Museum, Harvard University, and Francis La Flesche, a member of the Omaha Tribe. P. 15-654.

Index.

Twenty-eighth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1906–1907, by W. H. Holmes, chief. (Vignette.) Washington, Government Printing Office, 1912.

Roy. 8°. P. 308, xxxv, 103 pl., 68 fig.

Report of the chief. P. 7–22.

Casa Grande, Arizona, by Jesse Walter Fewkes. P. 25–179.

Antiquities of the Upper Verde River and Walnut Creek Valleys, Arizona, by Jesse Walter Fewkes. P. 181–220.

Preliminary Report on the Linguistic Classification of Algonquian Tribes, by Truman Michelson. P. 221–290b.

Index.

List of Publications of the Bureau of American Ethnology. P. i–xxxv.

Twenty-ninth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1907–1908, by W. H. Holmes, chief. (Vignette.) Washington, Government Printing Office, 1916.

Roy. 8°. P. 636, 21 pl., 31 maps (1–29, 29a–30), 1 diagram.

Report of the chief. P. 7–25.

The Ethnogeography of the Tewa Indians, by John Peabody Harrington. P. 29–618.

Index.

Thirtieth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1908–1909, by W. H. Holmes, chief. (Vignette.) Washington, Government Printing Office, 1915.

Roy. 8°. P. 450, 7 pl., 6 fig.

Report of the chief. P. 9–28.

Ethnobotany of the Zuñi Indians, by Matilda Coxe Stevenson. P. 31–102.

An Inquiry into the Animism and Folklore of the Guiana Indians, by Walter E. Roth, Commissioner of the Pomeroon District, British Guiana; late royal commissioner appointed to inquire into the condition of the natives of Western Australia; corresponding member of the Anthropological Societies of Berlin and Florence; Author of North Queensland Ethnography, etc. P. 103–386. (Paragraphs 1–370.)

List of Publications of the Bureau of American Ethnology, with Index to Authors and Titles. P. 387–425.

Index.

Thirty-first Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1909–1910, by F. W. Hodge, ethnologist in charge. (Vignette.) Washington, Government Printing Office, 1916.

Roy. 8°. P. 1037, 3 pl., 24 fig.

Report of the ethnologist in charge. P. 7–26.

Tsimshian Mythology, by Franz Boas, based on texts recorded by Henry W. Tate. P. 29–1037.

Thirty-second Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1910-1911, by F. W. Hodge, ethnologist in charge. (Vignette.) Washington, Government Printing Office, 1918.

Roy. 8°. P. 819.

Report of the ethnologist in charge. P. 9-34.

Seneca Fiction, Legends, and Myths, collected by Jeremiah Curtin and J. N. B. Hewitt; edited by J. N. B. Hewitt. P. 37-813.

Index.

Thirty-third Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1911-1912, by F. W. Hodge, ethnologist in charge. (Vignette.) Washington, Government Printing Office, 1919.

Roy. 8°. P. 677, 97 pl. (1-29, 29a-30, 30a, 31-75, 76-90, 91-95), 112 fig.

Report of the ethnologist in charge. P. 9-40.

Uses of Plants by the Indians of the Missouri River Region, by Melvin Randolph Gilmore. P. 43-154.

Preliminary Account of the Antiquities of the Region Between the Mancos and La Plata Rivers in Southwestern Colorado, by Earl H. Morris. P. 155-206.

Designs on Prehistoric Hopi Pottery, by Jesse Walter Fewkes. P. 207-284.

The Hawaiian Romance of Laieikawai, with introduction and translation, by Martha Warren Beckwith. P. 285-666.

Index.

Thirty-fourth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1912-1913, by F. W. Hodge, ethnologist in charge. (Vignette.) Washington, Government Printing Office, 1922.

Roy. 8°. P. 281, 120 pl., 69 fig.

Report of the ethnologist in charge. P. 7-32.

A Prehistoric Island Culture Area of America, by Jesse Walter Fewkes. P. 35-271.

Index.

Thirty-fifth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1913-1914, by F. W. Hodge, ethnologist in charge. (Vignette.) Washington, Government Printing Office, 1921. In two parts—part 1, part 2.

Roy. 8°. Two parts. P. 1-794, XI; VIII, 795-1481.

Report of the ethnologist in charge. P. 9-37.

Note on the accompanying paper. P. 39 sq.

Ethnology of the Kwakiutl, based on data collected by George Hunt, by Franz Boas. P. 43-794; 795-1473.

Index to part 1.

Index to part 2.

Thirty-sixth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1914-1915, by F. W. Hodge, ethnologist in charge. (Vignette.) Washington, Government Printing Office, 1921.

Roy. 8°. P. 604, 23 pl., 15 fig.

Report of the ethnologist in charge. P. 9-34.

The Osage Tribe: Rite of the Chiefs; Sayings of the Ancient Men, by Francis La Flesche. P. 37-597.

Index.

Thirty-seventh Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1915-1916, by F. W. Hodge, ethnologist in charge. (Vignette.) Washington, Government Printing Office, 1923.

Roy. 8°. VII, 560 p., 58 pl., 38 fig.

Report of the ethnologist in charge. P. 1-31.

The Winnebago Tribe, by Paul Radin. P. 35-550.

Index.

Thirty-eighth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1916-1917, by F. W. Hodge, ethnologist in charge. (Vignette.) Washington, Government Printing Office, 1924.²

Roy. 8°. VII, 745 p., 183 pl., 341 fig.

Report of the ethnologist in charge. P. 1-21.

An Introductory Study of the Arts, Crafts, and Customs of the Guiana Indians, by Walter Edmund Roth. P. 25-720 (secs. 1-941).

Index and glossary.

Thirty-ninth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1917-1918, by J. Walter Fewkes, chief. (Vignette.) Washington, Government Printing Office, 1925.

Roy. 8°. P. 636, 17 pl., 4 fig.

Report of the chief. P. 7-28.

The Osage Tribe: Rite of Vigil, by Francis La Flesche. P. 31-630.

Index.

Fortieth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1918-1919, by J. Walter Fewkes, chief. (Vignette.) Washington, Government Printing Office, 1925.

Roy. 8°. VII, 664 p., 2 pl., 2 fig.

Report of the chief. P. 1-20.

The Mythical Origin of the White Buffalo Dance of the Fox Indians; Together with Texts on Four Minor Sacred Packs Appertaining to This Ceremony, by Truman Michelson. P. 23-289.

² In the general index, Forty-eighth Annual Report, the references to the Thirty-eighth Annual Report are by sections unless preceded by the letter "p."

The Autobiography of a Fox Indian Woman, by Truman Michelson. P. 291-349.

Notes on Fox Mortuary Customs and Beliefs, by Truman Michelson. P. 351-496.

Notes on the Fox Society Known as "Those Who Worship the Little Spotted Buffalo," by Truman Michelson. P. 497-539.

The Traditional Origin of the Fox Society Known as "The Singing-around Rite," by Truman Michelson. P. 541-658.

Index.

Forty-first Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1919-1924, by J. Walter Fewkes, chief. (Vignette.) Washington, Government Printing Office, 1928.

Roy. 8°. ix, 626 p., 137 pl., 200 fig.

Report of the chief for the fiscal year ended June 30, 1920. P. 1-21.

Report of the chief for the fiscal year ended June 30, 1921. P. 25-44.

Report of the chief for the fiscal year ended June 30, 1922. P. 47-73.

Report of the chief for the fiscal year ended June 30, 1923. P. 77-95.

Report of the chief for the fiscal year ended June 30, 1924. P. 99-116.

Coiled Basketry in British Columbia and Surrounding Region, by H. K. Haeberlin, James A. Teit, and Helen H. Roberts, under the direction of Franz Boas. P. 119-484.

Two Prehistoric Villages in Middle Tennessee, by William Edward Myer. P. 485-614.

Index.

Forty-second Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1924-1925, by J. Walter Fewkes, chief. (Vignette.) Washington, Government Printing Office, 1928.

Roy. 8°. vii, 900 p., 13 pl., 108 fig.

Report of the chief. P. 1-19.

Social Organization and Social Usages of the Indians of the Creek Confederacy, by John R. Swanton. P. 23-472.

Religious Beliefs and Medical Practices of the Creek Indians, by John R. Swanton. P. 473-672.

Aboriginal Culture of the Southeast, by John R. Swanton. P. 673-726.

Indian Trails of the Southeast, by William Edward Myer. P. 727-857.

Index.

Forty-third Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1925-1926, by J. Walter Fewkes, chief. (Vignette.) Washington, Government Printing Office, 1928.

Roy. 8°. vii, 828 p., 44 pl., 9 fig.

Report of the chief. P. 1-19.

The Osage Tribe: Two Versions of the Child-Naming Rite, by Francis La Flesche. P. 23-164.

Wawenock Myth Texts from Maine, by Frank G. Speck. (The texts are published with the permission of the Division of Anthropology, National Museum of Canada.) P. 165-197.

Native Tribes and Dialects of Connecticut; Mohegan-Pequot Diary, by Frank G. Speck. P. 199-287. (Containing: Mohegan Medicinal Practices, Weather-lore, and Superstitions, by Gladys Tantaquidgeon.) P. 264-276.

Picurís Children's Stories, with texts and songs, by J. P. Harrington and Helen H. Roberts. P. 289-447.

Iroquoian Cosmology; second part, with introduction and notes, by J. N. B. Hewitt. P. 449-819.

Index.

Forty-fourth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1926-1927, by J. Walter Fewkes, chief. (Vignette.) Washington, Government Printing Office, 1928.

Roy. 8°. VII, 555 p., 98 pl., 16 fig.

Report of the chief. P. 1-19.

Exploration of Burton Mound at Santa Barbara, California, by John P. Harrington. P. 23-168.

Social and Religious Beliefs and Usages of the Chickasaw Indians, by John R. Swanton. P. 169-273.

Uses of Plants by the Chippewa Indians, by Frances Densmore. P. 275-397.

Archeological Investigations—II, by Gerard Fowke. P. 399-540.

Index.

Forty-fifth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1927-1928, by H. W. Dorsey, chief clerk. (Vignette.) Washington, Government Printing Office, 1930.

Roy. 8°. VII, 857 p., 29 pl., 47 fig.

Report of the chief clerk. P. 1-19.

The Salishan Tribes of the Western Plateaus, by James A. Teit; edited by Franz Boas. P. 23-396.

Tattooing and Face and Body Painting of the Thompson Indians, British Columbia, by James A. Teit; edited by Franz Boas. P. 397-439.

Ethnobotany of the Thompson Indians of British Columbia, based on field notes by James A. Teit; edited by Elsie Viault Steedman. P. 441-522.

The Osage Tribe: Rite of the Wa-xo'-be, by Francis La Flesche. P. 523-833.

Index.

Forty-sixth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1928-1929, by M. W. Stirling, chief. (Vignette.) Washington, Government Printing Office, 1930.

Roy. 8°. VII, 654 p., 80 pl., 35 fig.

Report of the chief. P. 1-16.

Anthropological Survey in Alaska, by Aleš Hrdlička. P. 19-374.

Indian Tribes of the Upper Missouri; Report to the Honorable Isaac S. Stevens, by Edwin Thompson Denig; edited with notes and biographical sketch, by J. N. B. Hewitt. P. 375-628.

Index.

Forty-seventh Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1929-1930, by M. W. Stirling, chief. (Vignette.) Washington, Government Printing Office, 1932.

Roy. 8°. vii, 1108 p., 53 pl., 26 fig.

Report of the chief. P. 1-14.

The Acoma Indians, by Leslie A. White. P. 17-192.

Isleta, New Mexico, by Elsie Clews Parsons. P. 193-466.

Introduction to Zuñi Ceremonialism, by Ruth L. Bunzel. P. 467-544.

Zuñi Origin Myths, by Ruth L. Bunzel. P. 545-609.

Zuñi Ritual Poetry, by Ruth L. Bunzel. P. 611-835.

Zuñi Katchinas, by Ruth L. Bunzel. P. 837-1086.

Index.

Forty-eighth Annual Report of the Bureau of American Ethnology to the Secretary of the Smithsonian Institution, 1930-1931, by M. W. Stirling, chief. (Vignette.) Washington, Government Printing Office, 1932.

Roy. 8°. v, 1221 p.

Report of the chief. P. 1-21.

General Index to the Annual Reports of the Bureau of American Ethnology, vols. 1-48 (1879-1931), compiled by Biren Bonnerjea. P. 25-1221.

INDEX TO AUTHORS AND TITLES

- Aboriginal Culture of the Southeast (Swanton) 42: 673.
 Aboriginal Pottery of the Eastern United States (Holmes) 20: 1.
 Aboriginal Remains in Verde Valley (C. Mindeleff) 13: 179.
 Aborigines of Porto Rico and Neighboring Islands (Fewkes) 25: 3.
 Account, Preliminary, of the Antiquities of the Region Between the Mancos
 and La Plata Rivers, in Southwestern Colorado (Morris) 33: 155.
 Acoma Indians, the (White) 47: 17.
 Activital Similarities (Powell) 3: LXV.
 Activities. *See* Esthetology; Philology; Sociology; Sophiology; Technology.
 Aids to the Study of Maya Codices (Thomas) 6: 253.
 Alaska, Anthropological Survey in (Hrdlička) 46: 19.
 Alaska. *See* Eskimo; Point Barrow; Yukon.
 Algonquian Tribes, Preliminary Report in Classification of (Michelson) 28: 221.
 Algonquian Tribes. *See* names of different tribes.
 Ancient Art of the Province of Chiriqui, Colombia (Holmes) 6: 3.
 Ancient Men, Sayings of the; The Osage Tribe: Rite of the Chiefs (La Flesche)
 36: 37.
 Ancient Pottery of the Mississippi Valley (Holmes) 4: 361.
 Ancient Pueblos, Pottery of the (Holmes) 4: 257.
 Animal Carvings from Mounds of the Mississippi Valley (Henshaw) 2: 117.
 Animals. *See* Ethnozoology.
 Animism and Folklore of the Guiana Indians, an Inquiry into (Roth) 30: 103.
 Annual Reports of the Bureau of American Ethnology, General Index to (Bon-
 nerjea) 48: 25.
 Anthropologic Data, Limitations to the Use of Some (Powell) 1: 71.
 Anthropological Survey in Alaska (Hrdlička) 46: 19.
 Antiquities, Certain, of Eastern Mexico (Fewkes) 25: 221.
 Antiquities, Preliminary Account of the, of the Region Between the Mancos
 and La Plata Rivers in Southwestern Colorado (Morris) 33: 155.
 Apache, the Medicine-Men of the (Bourke) 9: 443.
 Archeological Expedition to Arizona in 1895 (Fewkes) 17: 519.
 Archeological Investigations, II (Fowke) 44: 399.
 Architecture, a Study of Pueblo; Tusayan and Cibola (V. Mindeleff) 8: 3.
 Arizona, Aboriginal Remains in Verde Valley in (C. Mindeleff) 13: 179.
 Arizona, Archeological Expedition to, in 1895 (Fewkes) 17: 519.
 Arizona, Illustrated Catalogue of Collections from, in 1879 (J. Stevenson) 2: 307.
 Arizona, Illustrated Catalogue of Collections from, in 1881 (J. Stevenson) 3:
 511.
 Arizona, the Cliff ruins of Canyon de Chelly in (C. Mindeleff) 16: 73.
 Arizona. *See* Casa Grande.
 Art, Ancient, of the Province of Chiriqui, Colombia (Holmes) 6: 3.
 Art, Ceramic, Form and Ornament in (Holmes) 4: 437.
 Art in Shell of the Ancient Americans (Holmes) 2: 179.
 Art, Prehistoric Textile, of Eastern United States (Holmes) 13: 3.
 Art, Stone (Fowke) 13: 47.
 Art, Textile, a Study of the (Holmes) 6: 189.
 Arts, an Introductory Study of the, Crafts, and Customs of the Guiana Indians
 (Roth) 38: 25.

- Artists, Native, Hopi Katchinas Drawn by (Fewkes) 21: 3.
Autobiography, the, of a Fox Indian Woman (Michelson) 40: 291.
Basketry, Coiled, in British Columbia and Surrounding Region (Haeberlin-Teit-Roberts) 41: 119.
Beckwith, Martha Warren. The Hawaiian Romance of Laieikawai; with Introduction and Translation 33: 285.
Beliefs and Usages, Social and Religious, of the Chickasaw Indians (Swanton) 44: 169.
Beliefs, Notes on Fox Mortuary Customs and (Michelson) 40: 351.
Beliefs, Religious, and Medical Practices of the Creek Indians (Swanton) 42: 473.
Bering Strait, the Eskimo about (Nelson) 18: 3.
Boas, Franz. Ethnology of the Kwakiutl, based on data collected by George Hunt 35: 43, 795.
——— The Central Eskimo 6: 399.
——— Tsimshian Mythology, based on texts recorded by H. W. Tate 31: 29.
——— See Haeberlin-Teit-Roberts; Teit, J. A.
Bonnerjea, Biren. General Index to the Annual Reports of the Bureau of American Ethnology, 1-48 (1879-1931) 48: 25.
Bourke, John G. The Medicine-Men of the Apache 9: 443.
British Columbia, Coiled Basketry in, and Surrounding Region (Haeberlin-Teit-Roberts) 41: 119.
British Columbia, Ethnobotany of the Thompson Indians of (Teit-Steedman) 45: 441.
British Columbia, Tattooing and Face and Body Painting of the Thompson Indians of (Teit-Boas) 45: 397.
Buffalo Dance, White, of the Fox Indians, the Mythical Origin of the (Michelson) 40: 23.
Buffalo, Little Spotted, Those who worship the, Notes on Fox Society known as (Michelson) 40: 497.
Bunzel, Ruth L. Introduction to Zuñi Ceremonialism 47: 467.
——— Zuñi Katchinas 47: 837.
——— Zuñi Origin Myths 47: 545.
——— Zuñi Ritual Poetry 47: 611.
Bureau of American Ethnology, General Index to the Annual Reports of the (Bonnerjea) 48: 25.
Bureau of American Ethnology, List of Annual Reports of the (Bonnerjea) 48: 1185.
Bureau of American Ethnology, List of Publications of the 16: ci; 17: LXXV; 28: i; 30: 387.
Burial Mounds of the Western Sections of the United States (Thomas) 5: 3.
Burton Mound, Explorations of the, at Santa Barbara, Calif. (Harrington) 44: 23.
Calendar History of the Kiowa Indians (Mooney) 17: 129.
Calendar Systems, Mayan (Thomas) 19: 693; 22, i: 197.
California. See Santa Barbara.
Canyon de Chelly, Arizona, the Cliff-ruins of (C. Mindeleff) 16: 73.
Carvings, Animal, from Mounds of the Mississippi Valley (Henshaw) 2: 117.
Casa Grande, Ariz. (Fewkes) 28: 25.
Casa Grande Ruin (C. Mindeleff) 13: 289.
Catalogue, Illustrated, of a Portion of the Collections Made by the Bureau of Ethnology During the Field Season of 1881 (Holmes) 3: 427.
Catalogue of Collections from New Mexico and Arizona in 1879 (J. Stevenson) 2: 307.
Catalogue of Collections from New Mexico in 1880 (J. Stevenson) 2: 423.

- Catalogue of Collections from Pueblos in 1881 (J. Stevenson) 3: 511.
Catalogue of Linguistic Manuscripts in the Library of the Bureau of Ethnology (Pilling) 1: 553.
Central America, Numeral Systems of Mexico and (Thomas) 19: 853.
Central American Picture-writing, Studies in (Holden) 1: 205.
Ceramic Art, Origin and Development of Form and Ornament in (Holmes) 4: 437.
Ceremonial of Hasjelti Dailjis and Mythical Sand Painting of the Navajo (J. Stevenson) 8: 229.
Ceremonialism, Introduction to Zuñi (Bunzel) 47: 467.
Ceremonies; The Zuñi Indians: their Mythology, Esoteric Fraternities and (M. C. Stevenson) 23: 1.
Ceremonies, Tusayan Snake (Fewkes) 16: 267.
Ceremony, the Hako, a Pawnee (A. Fletcher) 22, ii: 5.
Cessions, Indian Land, in the United States (Royce-Thomas) 18: 521.
Cessions of Land by Indian tribes to the United States (Royce) 1: 247.
Cherokee, Myths of the (Mooney) 19: 3.
Cherokee Nation of Indians, the (Royce) 5: 121.
Cherokee, the Sacred Formulas of the (Mooney) 7: 301.
Chickasaw Indians, Social and Religious Beliefs and Usages of the (Swanton) 44: 169.
Chiefs, Rite of the; the Osage Tribe: Sayings of the Ancient Men (La Flesche) 36: 37.
Child-naming Rite, Two Versions of; the Osage Tribe (La Flesche) 43: 23.
Child, Zuñi, the Religious Life of the (T. E. Stevenson) 5: 533.
Children's Stories, Picuris (Harrington-Roberts) 43: 289.
Chippewa Indians, Uses of Plants by the (Densmore) 44: 275.
Chiriqui, Colombia, Ancient Art of the Province of (Holmes) 6: 3.
Cibola, a Study of Pueblo Architecture of Tusayan and (V. Mindeleff) 8: 3.
Cibola. *See* Zuñi.
Clans, Tusayan, Localization of (C. Mindeleff) 19: 635.
Cliff-ruins of Canyon de Chelly, Ariz., the (C. Mindeleff) 16: 73.
Codices, Maya, Aids to the Study of the (Thomas) 6: 253.
Coiled Basketry in British Columbia and Surrounding Region (Haeberlin-Teit-Roberts) 41: 119.
Collections, Illustrated Catalogue of, from New Mexico and Arizona in 1879 (J. Stevenson) 2: 307.
Collections, Illustrated Catalogue of, from New Mexico in 1880 (J. Stevenson) 2: 423.
Collections, Illustrated Catalogue of, from Pueblos in 1881 (J. Stevenson) 3: 511.
Collections, Illustrated Catalogue of, Made in 1881 (Holmes) 3: 427.
Colombia, Ancient Art of the Province of Chiriqui (Holmes) 6: 3.
Colorado, Southwestern, Preliminary Account of the Antiquities of the Region Between the Mancos and La Plata Rivers in (Morris) 33: 155.
Comparative Lexicology of the Serian and Yuman Languages (Hewitt) 17: 299*.
Connecticut, Native Tribes and Dialects of; Mohegan-Pequot Diary (Speck) 43: 199.
Contribution, a Further, to the Study of the Mortuary Customs of the North American Indians (Yarrow) 1: 87.
Coronado Expedition, 1540-1542, the (Winship) 14: 329.
Cosmology, Iroquoian (Hewitt) 21: 127; 43: 449.
Crafts of the Guiana Indians, an Introductory Study of the Arts, Customs, and (Roth) 38: 25.
Creation Myths, Zuñi, Outlines of (Cushing) 13: 321.

- Creek Confederacy, Social Organization and Social Usages of the Indians of the (Swanton) 42: 23.
- Creek Indians, Religious Beliefs and Medical Practices of the (Swanton) 42: 473.
- Culin, Stewart.** Games of the North American Indians 24: 3.
- Cults, Siouan, a Study of (Dorsey) 11: 351.
- Culture, Aboriginal, of the Southeast (Swanton) 42: 673.
- Culture Area, a Prehistoric Island, of America (Fewkes) 34: 35.
- Culture Growth, Zuñi, Pueblo Pottery as Illustrative of (Cushing) 4: 467.
- Curtin, Jeremiah.** Seneca Fiction, Legends, and Myths, edited by J. N. B. Hewitt 32: 37.
- Cushing, Frank Hamilton.** Outlines of Zuñi Creation Myths 13: 321.
- Pueblo Pottery as Illustrative of Zuñi Culture Growth 4: 467.
- Zuñi Fetiches 2: 3.
- Customs, Notes on Fox Mortuary, and Beliefs (Michelson) 40: 351.
- Customs of the Guiana Indians, an Introductory Study of the Arts, Crafts, and (Roth) 38: 25.
- Dall, William H.** On Masks, Labrets, and Certain Aboriginal Customs 3: 67.
- Data, Anthropologic, Limitation to the Use of some (Powell) 1: 71.
- Day Symbols of the Maya Year (Thomas) 16: 199.
- Deaf-Mutes, Sign Language among North American Indians compared with that among Other Peoples and (Mallery) 1: 263.
- Denig, Edwin Thompson.** Indian Tribes of the Upper Missouri: Report to the Hon. Isaac S. Stevens 46: 375.
- Densmore, Frances.** Uses of Plants by the Chippewa Indians 44: 275.
- Designs on Prehistoric Hopi Pottery (Fewkes) 33: 207.
- Development, Origin and, of Form and Ornament in Ceramic Art (Holmes) 4: 437.
- Dialect. *See* Language.
- Dialects of Connecticut, Native Tribes and; Mohegan-Pequot Diary (Speck) 43: 199.
- Dorsey, J. Owen.** Illustration of the Method of Recording Languages 1: 579.
- Omaha Dwellings, Furniture and Implements 13: 263.
- Omaha Sociology 3: 205.
- Osage Traditions 6: 373.
- Siouan Sociology 15: 205.
- Study of Siouan Cults 11: 351.
- Dwellings, Furniture and Implements; Omaha (Dorsey) 13: 263.
- Eastern Mexico, Certain Antiquities of (Fewkes) 25: 221.
- Economics, Primitive, the Wild-rice Gatherers of the Upper Lakes: A Study in American (Jenks) 19: 1013.
- Eskimo about Bering Strait (Nelson) 18: 3.
- Eskimo, the Central (Boas) 6: 399.
- Eskimo. *See* Alaska; Point Barrow; Ungava District; Yukon.
- Esoteric Fraternities, Mythology, and Ceremonies of the Zuñi Indians (M. C. Stevenson) 23: 1.
- Esthetology, or the Science of Activities Designed to Give Pleasure (Powell) 19: LV.
- Ethnobotany of the Thompson Indians of British Columbia (Teit-Steedman) 45: 441.
- Ethnobotany of the Zuñi Indians (M. C. Stevenson) 30: 31.
- Ethnogeography of the Tewa Indians, the (Harrington) 29: 29.
- Ethnological Results of the Point Barrow Expedition (Murdoch) 9: 3.
- Ethnology of the Kwakiutl (Boas-Hunt) 35: 43, 795.
- Ethnology of the Ungava District, Hudson Bay Territory (Turner) 11: 159.

- Evolution of Language (Powell) 1: 1.
- Expedition, Archeological, to Arizona in 1895 (Fewkes) 17: 519.
- Expedition, Point Barrow, Ethnological Results of the (Murdoch) 9: 3.
- Expedition, the Coronado, 1540-1542 (Winship) 14: 329.
- Exploration of the Burton Mound at Santa Barbara, California (Harrington) 44: 23.
- Expression; Philology, or the Science of Activities Designed for (Powell) 20: cxxxix.
- Face and Body Painting, Tattooing and, of the Thompson Indians, British Columbia (Teit-Boas) 45: 397.
- Fetiches, Zuñi (Cushing) 2: 3.
- Fewkes, Jesse Walter.** A Prehistoric Island Culture Area of America 34: 35.
- Aborigines of Porto Rico and Neighboring Islands 25: 3.
- Archeological Expedition to Arizona in 1895 17: 519.
- Casa Grande, Arizona 28: 25.
- Certain Antiquities of Eastern Mexico 25: 221.
- Hopi Kateinas, drawn by Native Artists 21: 3.
- Tusayan Flute and Snake Ceremonies 19: 957.
- Tusayan Kateinas 15: 245.
- Tusayan Migration Traditions 19: 573.
- Tusayan Snake Ceremonies 16: 267.
- Two Summers' Work in Pueblo Ruins 22, i: 3.
- Fiction, Seneca, Legends, and Myths (Curtin-Hewitt) 32: 37.
- Fletcher, Alice C.** The Hako, a Pawnee Ceremony 22, ii: 5.
- Fletcher, Alice C., and La Flesche, Francis.** The Omaha Tribe 27: 15.
- Florida, the Seminole Indians of (MacCauley) 5: 469.
- Flute and Snake Ceremonies, Tusayan (Fewkes) 19: 957.
- Folklore, Animism and, of the Guiana Indians, an Inquiry into (Roth) 30: 103.
- Form and Ornament, Origin and Development of, in Ceramic Art (Holmes) 4: 437.
- Formulas, Sacred, of the Cherokees (Mooney) 7: 301.
- Fowke, Gerard.** Archeological Investigations—II 44: 399.
- Stone Art 13: 47.
- Fox Indian Woman, the Autobiography of a (Michelson) 40: 291.
- Fox Indians, the Mythical Origin of the White Buffalo Dance of the (Michelson) 40: 23.
- Fox Mortuary Customs and Beliefs, Notes on (Michelson) 40: 351.
- Fox Society known as "The Singing-around Rite," Traditional Origin of the (Michelson) 40: 541.
- Fox Society known as "Those Who Worship the Little Spotted Buffalo," Notes on (Michelson) 40: 497.
- Fraternities, Esoteric, Mythology, and Ceremonies of the Zuñi Indians (M. C. Stevenson) 23: 1.
- Furniture, Dwellings, and Implements, Omaha (Dorsey) 13: 263.
- Games of the North American Indians (Culin) 24: 3.
- Gann, Thomas.** Mounds in Northern Honduras 19: 655.
- Gatschet, Albert S.** Illustration of the Method of Recording Languages 1: 579.
- General Index to the Annual Reports of the Bureau of American Ethnology, 1-48 (1879-1931) (Bonnerjea) 48: 25.
- Ghost-dance Religion, the (Mooney) 14: 641.
- Gilmore, Melvin Randolph.** Uses of Plants by the Indians of the Missouri River Region 33: 43.
- Guiana Indians, an Inquiry into the Animism and Folklore of the (Roth) 30: 103.

- Guiana Indians, an Introductory Study of the Arts, Crafts, and Customs of the (Roth) 38: 25.
- Haerberlin, H. K., Teit, J. A., and Roberts, Helen H.** Coiled Basketry in British Columbia and Surrounding Region; under the direction of F. Boas 41: 119.
- Hako, the; a Pawnee Ceremony (A. C. Fletcher) 22, ii: 5.
- Harrington, J. P.** Exploration of the Burton Mound at Santa Barbara, California 44: 23.
- The Ethnogeography of the Tewa Indians 29: 29.
- Harrington, J. P., and Roberts, Helen H.** Picuris Children's Stories, with texts and songs 43: 289.
- Hasjelti Dailji, Ceremonial of, and Mythical Sand Paintings of the Navajo (J. Stevenson) 8: 229.
- Hawaiian Romance of Laieikawai, the; with introduction and translation (Beckwith) 33: 285.
- Henshaw, H. W.** Animal Carvings from Mounds of the Mississippi Valley 2: 117.
- Hewitt, J. N. B.** Comparative Lexicology of the Serian and Yuman Languages 17: 299.*
- Iroquoian Cosmology 21: 127.
- Iroquoian Cosmology, Second Part 43: 449.
- *Editor.* Indian Tribes of the Upper Missouri; Report to Hon. Isaac S. Stevens (Denig) 46: 375.
- *Editor.* Seneca Fiction, Legends, and Myths (Curtin) 32: 37.
- History, Calendar, of the Kiowa Indians (Mooney) 17: 129.
- Hoffman, W. J.** The Menomini Indians 14: 3.
- The Midē'wiwin or "Grand Medicine Society" of the Ojibwa 7: 143.
- Holden, E. S.** Studies in Central American Picture-writing 1: 205.
- Holmes, W. H.** A Study of the Textile Art in its Relation to the Development of Form and Ornament 6: 189.
- Aboriginal Pottery of the Eastern United States 20: 1.
- Ancient Art of the Province of Chiriqui, Colombia 6: 3.
- Ancient Pottery of the Mississippi Valley 4: 361.
- Art in Shell of the Ancient Americans 2: 179.
- Illustrated Catalogue of a Portion of the Collections made by the Bureau of Ethnology During the Field Season of 1881 3: 427.
- Origin and Development of Form and Ornament in Ceramic Art 4: 437.
- Pottery of the Ancient Pueblos 4: 257.
- Prehistoric Textile Art of Eastern United States 13: 3.
- Prehistoric Textile Fabrics of the United States derived from Impressions on Pottery 3: 393.
- Stone Implements of the Potomac-Chesapeake Tidewater Province 15: 3.
- Honduras, Northern, Mounds in (Gann) 19: 655.
- Hopi Katchinas, Drawn by Native Artists (Fewkes) 21: 3.
- Hopi Pottery, Designs on Prehistoric (Fewkes) 33: 207.
- Hopi. *See* Tusayan.
- Houses, Navaho (C. Mindeleff) 17: 469.
- Hrdlička, Aleš.** Anthropological Survey in Alaska 46: 19.
- Hudson Bay Territory, Ethnology of the Ungava District (Turner) 11: 159.
- Hunt, George.** *See* Boas, Franz.
- Illustrated Catalogue of a Portion of the Collections Made by the Bureau of Ethnology During the Field Season of 1881 (Holmes) 3: 427.

- Illustrated Catalogue of Collections from New Mexico and Arizona in 1879 (J. Stevenson) 2: 307.
- Illustrated Catalogue of Collections from New Mexico in 1880 (J. Stevenson) 2: 423.
- Illustrated Catalogue of Collections from Pueblos in 1881 (J. Stevenson) 3: 511.
- Illustration of the Method of Recording Indian Languages (Dorsey-Gatschet-Riggs) 1: 579.
- Implements, Omaha Dwellings, Furniture, and (Dorsey) 13: 263.
- Implements, Stone, of the Potomac-Chesapeake Tidewater Province (Holmes) 15: 3.
- Impressions on Pottery, Prehistoric Textile Fabrics of the United States derived from (Holmes) 3: 393.
- Index, General, to the Annual Reports of the Bureau of American Ethnology, 1-48 (1879-1931) (Bonnerjea) 48: 25.
- Indiana, State of, Cessions of Land by Indian Tribes to the United States, illustrated by those in (Royce) 1: 247.
- Industries; Technology, or the Science of (Powell) 20: xxix.
- Inquiry, an, into the Animism and Folklore of the Guiana Indians (Roth) 30: 103.
- Institutions; Sociology, or the Science of (Powell) 20: LIX.
- Instruction; Sophiology, or the Science of Activities Designed to Give (Powell) 20: CLXXI.
- Introduction to Zuñi Ceremonialism (Bunzel) 47: 467.
- Introductory Study, an, of the Arts, Crafts, and Customs of the Guiana Indians (Roth) 38: 25.
- Investigations, Archeological, II (Fowke) 44: 399.
- Iroquoian Cosmology (Hewitt) 21: 127; 43: 449.
- Iroquois, Myths of the (Smith) 2: 47.
- Island, a Prehistoric, Culture Area of America (Fewkes) 34: 35.
- Isleta, New Mexico (Parsons) 47: 193.
- Jenks, Albert Ernest.** Wild-rice Gatherers of the Upper Lakes: A Study in American Primitive Economics 19: 1013.
- Justice; Sociology, or the Science of Activities Designed for (Powell) 20: LIX.
- Kateinas, Hopi, Drawn by Native Artists (Fewkes) 21: 3.
- Kateinas, Tusayan (Fewkes) 15: 245.
- Kateinas, Zuñi (Bunzel) 47: 837.
- Kiowa Indians, Calendar History of the (Mooney) 17: 129.
- Kwakiutl, Ethnology of the (Boas-Hunt) 35: 43, 795.
- Labrets, Masks, and Certain Aboriginal Customs (Dall) 3: 67.
- La Flesche, Francis.** The Osage Tribe: Rite of the Chiefs; Sayings of the Ancient Men 36: 37.
- The Osage Tribe: Rite of the Vigil 39: 31.
- The Osage Tribe: Rite of the Wa-xo'-be 45: 523.
- The Osage Tribe: Two Versions of the Child-naming Rite 43: 23.
- See Fletcher, A. C., and La Flesche, F.
- La Plata, Preliminary Account of the Antiquities of the Region Between, and the Mancos Rivers in Southwestern Colorado (Morris) 33: 155.
- Laieikawai, the Hawaiian Romance of, with introduction and translation (Beckwith) 33: 285.
- Land Cessions, Indian, in the United States (Royce-Thomas) 18: 521.
- Land, Cessions of, by the Indian Tribes of the United States, Illustrated by Those in the State of Indiana (Royce) 1: 247.
- Language, Evolution of (Powell) 1: 1.

- Language; Philology, or the Science of (Powell) 20: xxxix.
- Language, Sign, Among the North American Indians, Compared with that Among Other Peoples and Deaf-Mutes (Mallery) 1: 263.
- Languages, Illustration of the Method of Recording Indian (Dorsey-Gatschet-Riggs) 1: 579.
- Legends, Seneca Fiction, Myths, and (Curtin-Hewitt) 32: 37.
- Lexicology, Comparative, of the Serian and Yuman Languages (Hewitt) 17: 299*.
- Life, Religious, of the Zuñi Child (M. C. Stevenson) 5: 533.
- Limitation to the Use of Some Anthropologic Data (Powell) 1: 71.
- Linguistic Families, Indian, of America North of Mexico (Powell) 7: 1.
- Linguistic Manuscripts in the Library of the Bureau of Ethnology, Catalogue of (Pilling) 1: 553.
- List of Annual Reports of the Bureau of American Ethnology with an Index to Authors and Titles (Bonnerjea) 48: 1185.
- List of Publications of the Bureau of American Ethnology 16: ci; 17: lxxv; 28: i; 30: 387.
- Little Spotted Buffalo, Those who Worship the, Notes on the Fox Society Known as (Michelson) 40: 497.
- Localization of Tusayan Clans (C. Mindeleff) 19: 635.
- MacCauley, Clay.** The Seminole Indians of Florida 5: 469.
- McGee, W. J.** Primitive Numbers 19: 821.
- The Seri Indians 17: 1.
- The Siouan Indians 15: 153.
- McGee, W. J., and Muñiz, M. A.** Primitive Trephining in Peru 16: 3.
- Maine, Texts from; Wawenock Myths (Speck) 43: 165.
- Mallery, Garrick,** Pictographs of the North American Indians; a Preliminary Paper 4: 3.
- Picture-writing of the American Indians 10: 3.
- Sign Language Among North American Indians Compared with that Among Other Peoples and Deaf-Mutes 1: 263.
- Mancos, Preliminary Account of the Antiquities of the Region Between the, and La Plata Rivers in Southwestern Colorado (Morris) 33: 155.
- Manuscripts, Linguistic, in the Library of the Bureau of Ethnology, Catalogue of (Pilling) 1: 553.
- Manuscripts, Notes on Certain Mayan and Mexican (Thomas) 3: 3.
- Masks, Labrets, and Certain Aboriginal Customs (Dall) 3: 67.
- Matthews, Washington.** Navajo Silversmiths 2: 167.
- Navajo Weavers 3: 371.
- The Mountain Chant; a Navajo Ceremony 5: 379.
- Maya and Mexican Manuscripts, Notes on Certain (Thomas) 3: 3.
- Maya Codices, Aids to the Study of the (Thomas) 6: 253.
- Maya Year, Day Symbols of the (Thomas) 16: 199.
- Mayan Calendar Systems (Thomas) 19: 693; 22, i: 197.
- Medical Practices, Religious Beliefs and, of the Creek Indians (Swanton) 42: 473.
- Medicinal Practices, Mohegan, Weather-lore and Superstitions (Speck-Tantaquidgeon) 43: 264.
- Medicine-Men of the Apache (Bourke) 9: 443.
- Menomini Indians, the (Hoffman) 14: 3.
- Method of Recording Indian Languages, Illustration of the (Dorsey-Gatschet-Riggs) 1: 579.
- Mexican and Mayan Manuscripts, Notes on Certain (Thomas) 3: 3.
- Mexico and Central America, Numeral Systems of (Thomas) 19: 853.

- Mexico, Eastern, Certain Antiquities of (Fewkes) 25: 221.
- Mexico, North of, Indian Linguistic Families of America (Powell) 7: 1.
- Michelson, Truman.** Notes on Fox Mortuary Customs and Beliefs 40: 351.
- Notes on the Fox Society Known as "Those who worship the Little Spotted Buffalo" 40: 497.
- Preliminary Report on Linguistic Classification of Algonquian Tribes 28: 221.
- The Autobiography of a Fox Indian Woman 40: 291.
- The Mythical Origin of the White Buffalo Dance of the Fox Indians, Together with Four Minor Sacred Packs Appertaining to the Ceremony 40: 23.
- The Traditional Origin of the Fox Society known as "Singing-around Rite" 40: 541.
- Middle Tennessee, Two Prehistoric Villages in (Myer) 41: 485.
- Midé'wiwin, or "Grand Medicine Society" of the Ojibwa, the (Hoffman) 7: 143.
- Migration Traditions, Tusayan (Fewkes) 19: 573.
- Mindeleff, Cosmos.** Aboriginal Remains in Verde Valley, Arizona 13: 179.
- Casa Grande Ruin 13: 289.
- Cliff-ruins of Canyon de Chelly, Arizona 16: 73.
- Localization of Tusayan Clans 19: 635.
- Navaho Houses 17: 469.
- Repair of Casa Grande Ruin in 1891 15: 315.
- Mindeleff, Victor.** A Study of Pueblo Architecture: Tusayan and Cibola 8: 3.
- Mississippi Valley, Ancient Pottery of the (Holmes) 4: 361.
- Mississippi Valley, Animal Carvings from Mounds of the (Henshaw) 2: 117.
- Missouri River Region, Uses of Plants by Indians of the (Gilmore) 33: 43.
- Mohegan Medicinal Practices, Weather-lore and Superstition (Speck-Tantaquidgeon) 43: 264.
- Mohegan-Pequot Diary (Speck) 43: 199.
- Mooney, James.** Calendar History of the Kiowa Indians 17: 129.
- Myths of the Cherokee 19: 3.
- Sacred Formulas of the Cherokee 7: 301.
- The Ghost-Dance Religion, with a Sketch of the Sioux Outbreak of 1890 14: 641.
- Morris, Earl H.** Preliminary Account of the Antiquities of the Region between the Mancos and La Plata Rivers in Southwestern Colorado 33: 155.
- Mortuary Customs, Notes on Fox, and Beliefs (Michelson) 40: 351.
- Mortuary Customs of the North American Indians (Yarrow) 1: 87.
- Mound Explorations of the Bureau of (American) Ethnology (Thomas) 12: 3.
- Mounds, Burial, of the Northern Sections of the United States (Thomas) 5: 3.
- Mounds in Northern Honduras (Gann) 19: 655.
- Mounds of the Mississippi Valley, Animal Carvings from (Henshaw) 2: 117.
- Mountain Chant, a Navajo Ceremony (Matthews) 5: 379.
- Mufiz, M. A., and McGee, W. J.** Primitive Trephining in Peru 16: 3.
- Murdoch, John.** Ethnological Results of the Point Barrow Expedition 9: 3.
- *Editor.* Ethnology of the Ungava District, Hudson Bay Territory (Turner) 11: 159.
- Myer, William Edward.** Indian Trails of the Southeast 42: 727.
- Two Prehistoric Villages in Middle Tennessee 41: 485.
- Mythical Origin, the, of the White Buffalo Dance of the Fox Indians (Michelson) 40: 23.
- Mythical Sand Paintings of the Navajo Indians, Ceremonial of Hasjelti Dailjis and (J. Stevenson) 8: 229.

- Mythology, Esoteric Fraternities and Ceremonies of the Zuñi Indians (M. C. Stevenson) 23: 1.
- Mythology of the North American Indians, Sketch of the (Powell) 1: 17.
- Mythology, Tsimshian (Boas-Tate) 31: 29.
- Myth Texts from Maine, Wawenock (Speck) 43: 165.
- Myths of the Cherokee (Mooney) 19: 3.
- Myths of the Iroquois (Smith) 2: 47.
- Myths, Seneca Fiction, Legends and (Curtin-Hewitt) 32: 37.
- Myths, Zuñi Creation, Outlines of (Cushing) 13: 321.
- Myths, Zuñi Origin (Bunzel) 47: 545.
- Native Tribes and Dialects of Connecticut; Mohegan-Pequot Diary (Speck) 43: 199.
- Navaho Houses (C. Mindeleff) 17: 469.
- Navajo Ceremony, The Mountain Chant, a (Matthews) 5: 379.
- Navajo Indians, Ceremonial of Hasjelti Dailjis and Mythical Sand Paintings of the (J. Stevenson) 8: 229.
- Navajo Silversmiths (Matthews) 2: 167.
- Navajo Weaver (Matthews) 3: 371.
- Nelson, E. W.** The Eskimo about Bering Strait 18: 3.
- New Mexico, Illustrated Catalogue of Collections from, in 1879 (J. Stevenson) 2: 307.
- New Mexico, Illustrated Catalogue of Collections from, in 1880 (J. Stevenson) 2: 423.
- New Mexico, Illustrated Catalogue of Collections from, in 1881 (J. Stevenson) 3: 511.
- New Mexico, Isleta (Parsons) 47: 193.
- Notes on Certain Maya and Mexican Manuscripts (Thomas) 3: 3.
- Notes on Fox Mortuary Customs and Beliefs (Michelson) 40: 351.
- Notes on Fox Society Known as "Those Who Worship the Little Spotted Buffalo" (Michelson) 40: 497.
- Numbers, Primitive (McGee) 19: 821.
- Numeral Systems of Mexico and Central America (Thomas) 19: 853.
- Ojibwa, the Midē'wiwin or "Grand Medicine Society" of the (Hoffman) 7: 143.
- Ojibwa. *See* Chippewa.
- Omaha Dwellings, Furniture and Implements (Dorsey) 13: 263.
- Omaha Sociology (Dorsey) 3: 205.
- Omaha Tribe, the (Fletcher-La Flesche) 27: 15.
- On Limitations to the Use of some Anthropologic Data (Powell) 1: 71.
- On Masks, Labrets and certain Aboriginal Customs, with an Inquiry into the Bearing of their Geographical Distribution (Dall) 3: 67.
- On the Evolution of Language as Exhibited in the Specialization of the Grammatic Processes, the Differentiation of the Parts of Speech, and the Integration of the Sentence; from a Study of the Indian Languages (Powell) 1: 1.
- Opinions; Sophiology, or the Science of (Powell) 20: CLXXI.
- Organization, Social, and Social Usages of the Indians of the Creek Confederacy (Swanton) 42: 23.
- Origin and Development of Form and Ornament in Ceramic Art (Holmes) 4: 437.
- Origin Myths, Zuñi (Bunzel) 47: 545.
- Origin, the Traditional, of the Fox Society Known as "The Singing-around Rite" (Michelson) 40: 541.
- Ornament, Origin and Development of Form and, in Ceramic Art (Holmes) 4: 437.
- Osage Traditions (Dorsey) 6: 373.

- Osage Tribe, the, Rite of the Chiefs; Sayings of the Ancient Men (La Flesche) 36: 37.
- Osage Tribe, the, Rite of Vigil (La Flesche) 39: 31.
- Osage Tribe, the, Rite of the Wa-xo'-be (La Flesche) 45: 523.
- Osage Tribe, the, Two Versions of the Child-naming Rite (La Flesche) 43: 23.
- Outbreak, Sioux, of 1890, and the Ghost-dance Religion (Mooney) 14: 641.
- Painting, Tattooing and Face and Body, of the Thompson Indians, British Columbia (Teit-Boas) 45: 397.
- Parsons, Elsie Clews.** Isleta, New Mexico 47: 193.
- Pawnee Ceremony, the Hako, a (A. C. Fletcher) 22, ii: 5.
- Pequot. *See* Mohegan-Pequot.
- Peru, Primitive Trephining in (Muñiz-McGee) 16: 3.
- Philology, or the Science of Activities designed for Expression (Powell) 20: CXXXIX.
- Pictographs of the North American Indians (Mallery) 4: 3.
- Picture-writing of the North American Indians (Mallery) 10: 3.
- Picture-writing, Studies in Central American (Holden) 1: 205.
- Picurís Children's Stories (Harrington-Roberts) 43: 289.
- Pilling, James Constantine.** Catalogue of Linguistic Manuscripts in the Library of the Bureau of Ethnology 1: 553.
- Pima Indians, the (Russell) 26: 3.
- Places and Place Names. *See* Ethnogeography.
- Plants, Uses of, by the Chippewa Indians (Densmore) 44: 275.
- Plants, Uses of, by the Indians of the Missouri River Region (Gilmore) 33: 43.
- Plants. *See* Ethnobotany.
- Plateaus, Western, the Salishan Tribes of the (Teit-Boas) 45: 23.
- Pleasure; Esthetology, or the Science of Activities designed to give (Powell) 19: LV.
- Poetry, Zuñi Ritual (Bunzel) 47: 611.
- Point Barrow Expedition, Ethnological Results of the (Murdoch) 9: 3.
- Porto Rico and Neighboring Islands, Aborigines of (Fewkes) 25: 3.
- Potomac-Chesapeake Tidewater Province, Stone Implements of the (Holmes) 15: 3.
- Pottery, Aboriginal, of the Eastern United States (Holmes) 20: 3.
- Pottery, Ancient, of the Mississippi Valley (Holmes) 4: 361.
- Pottery, Designs on Prehistoric Hopi (Fewkes) 33: 207.
- Pottery of the Ancient Pueblos (Holmes) 4: 257.
- Pottery; Prehistoric Textile Fabrics of the United States, derived from Impressions on (Holmes) 3: 393.
- Pottery, Pueblo, a Study of, as illustrative of Zuñi Culture Growth (Cushing) 4: 467.
- Powell, J. W.** Esthetology, or the Science of Activities designed to give Pleasure 19: LV.
- Indian Linguistic Families of America North of Mexico 7: 1.
- On Activital Similarities 3: LXV.
- On Limitations to the Use of some Anthropologic Data 1: 71.
- On Regimentation 15: CIV.
- On the Evolution of Language 1: 1.
- Philosophy, or the Science of Activities designed for Expression 19: CXXXIX.
- Sketch of the Mythology of the North American Indians 1: 17.
- Sociology, or the Science of Institutions 20: LIX.
- Sophiology, or the Science of Activities designed to give Instruction 20: CLXXI.

- Powell, J. W.** Technology, or the Science of Industries 20: xxix.
 ——— Wyandot Government: a Short Study of Tribal Society 1: 57.
- Practices, Medical, Religious Beliefs and, of the Indians of the Creek Confederacy (Swanton) 42: 473.
- Prehistoric Island Culture Area of America (Fewkes) 34: 35.
- Prehistoric Hopi Pottery, Designs on (Fewkes) 33: 207.
- Prehistoric Textile Fabrics of the United States derived from Impressions on Pottery (Holmes) 3: 393.
- Prehistoric Villages, Two, in Middle Tennessee (Myer) 41: 485.
- Preliminary Account of the Antiquities of the Region between the Mancos and La Plata Rivers in Southwestern Colorado (Morris) 33: 155.
- Primitive Numbers (McGee) 19: 821.
- Primitive Trephining in Peru (Muñiz-McGee) 16: 3.
- Publications, List of, of the Bureau of (American) Ethnology 16: ci; 17: lxxv; 28: i; 30: 387.
- Pueblo Architecture, a Study of: Tusayan and Cibola (V. Mindeleff) 8: 3.
- Pueblo Pottery as illustrative of Zuñi Culture Growth (Cushing) 4: 467.
- Pueblo Ruins, Two Summers' Work in (Fewkes) 22, i: 3.
- Pueblos, Ancient, Pottery of the (Holmes) 4: 257.
- Radin, Paul.** The Winnabago Tribe 37: 35.
- Recording Indian Languages, Illustration of the Method of (Dorsey-Gatschet-Riggs) 1: 579.
- Regimentation, on (Powell) 15: civ.
- Religion, the Ghost-dance, with a Sketch of the Sioux Outbreak of 1890 (Mooney) 14: 641.
- Religious and Social Beliefs and Usages of the Chickasaw Indians (Swanton) 44: 169.
- Religious Life of the Zuñi Child (M. C. Stevenson) 5: 533.
- Report on the Mound Exploration of the Bureau of Ethnology (Thomas) 12: 3.
- Report, Preliminary, on the Classification of Algonquian Tribes (Michelson) 28: 221.
- Report to the Hon. Isaac S. Stevens on the Indian Tribes of the Upper Missouri (Denig-Hewitt) 46: 375.
- Reports, Annual, General Index to the, of the Bureau of American Ethnology, 1-48 (1879-1931) (Bonnerjea) 48: 25.
- Reports, Annual, List of (Bonnerjea) 48: 1185.
- Result, Ethnological, of the Point Barrow Expedition (Murdoch) 8: 3.
- Riggs, Stephen R.** Illustration of the Method of Recording Indian Languages 1: 579.
- Rite, Child-naming, Two Versions of the, the Osage Tribe (La Flesche) 43: 23.
- Rite of the Chiefs; the Osage Tribe; Sayings of the Ancient Men (La Flesche) 36: 37.
- Rite of the Wa-xo'-be; the Osage Tribe (La Flesche) 45: 523.
- Rite of Vigil; the Osage Tribe (La Flesche) 39: 31.
- Rite, Singing-around, the Traditional Origin of the Fox Society known as (Michelson) 40: 541.
- Ritual Poetry, Zuñi (Bunzel) 47: 611.
- Roberts, Helen H., Haeberlin, H. K., and Teit, J. A.** Coiled Basketry in British Columbia and surrounding Region; under the direction of F. Boas 41: 119.
- Roberts, Helen H., and Harrington, J. P.** Picurís Children's Stories; with texts and songs 43: 289.
- Romance, the Hawaiian, of Laieikawai, with introduction and translation (Beckwith) 33: 289.

- Roth, Walter E.** An Inquiry into the Animism and Folklore of the Guiana Indians 30: 103.
——— An Introductory Study of the Arts, Crafts, and Customs of the Guiana Indians 38: 25.
- Royce, C. C.** Cessions of Lands by Indian Tribes of the United States, illustrated by those in the State of Indiana 1: 247.
——— Indian Land Cessions in the United States 18: 521.
——— The Cherokee Nation of Indians 5: 121.
- Ruin, Casa Grande (C. Mindeleff) 13: 289.
Ruin, Casa Grande, Repair of, in 1891 (C. Mindeleff) 15: 315
Ruin. (*See also* Twenty-eighth Annual Report.)
Ruins, Cliff, of Canyon de Chelly (C. Mindeleff) 16: 73.
Ruins, Pueblo, Two Summers' Work in (Fewkes) 22, i: 3.
- Russel, Frank.** The Pima Indians 26: 3.
- Sacred Packs, Four Minor, the Mythical Origin of the White Buffalo Dance of the Fox Indians together with (Michelson) 40: 23.
Sacred Formulas of the Cherokees (Mooney) 7: 301.
Salishan Tribes, the, of the Western Plateaus (Teit-Boas) 45: 23.
Sand Paintings of the Navajo Indians, Mythical; and Ceremonial of Hasjelti Dailjis (J. Stevenson) 8: 229.
Santa Barbara, California, Exploration of the Burton Mound at (Harrington) 44: 23.
Sayings of the Ancient Men; the Osage Tribe; Rite of the Chiefs (La Flesche) 36: 37.
Seminole Indians of Florida, the (MacCauley) 5: 469.
Seneca Fiction, Legends, and Myths (Curtin-Hewitt) 32: 37.
Seri Indians, the (McGee) 17: 1.
Serian and Yuman Languages, Comparative Lexicology of (Hewitt) 17: 299*.
Shell, Art in, of the Ancient Americans (Holmes) 2: 179.
Sia, the (M. C. Stevenson) 11: 3.
Sign Language among the North American Indians, compared to that among other Peoples and Deaf-Mutes (Mallery) 1: 263.
Singing-around Rite, the Traditional Origin of the Fox Society known as (Michelson) 40: 541.
Silversmiths, Navajo (Matthews) 2: 167.
Similarities, Activital (Powell) 3: LXV.
Siouan Cults, a Study of (Dorsey) 11: 351.
Siouan Indians, the (McGee) 15: 153.
Siouan Sociology (Dorsey) 15: 205.
Sioux Outbreak of 1890, and the Ghost-dance Religion (Mooney) 14: 641.
Sketch of the Mythology of the North American Indians (Powell) 1: 17.
Sketch of the Sioux Outbreak of 1890, and the Ghost-dance Religion (Mooney) 14: 641.
- Smith, Erminnie A.** Myths of the Iroquois 2: 47.
Snake and Flute Ceremonies, Tusayan (Fewkes) 19: 957.
Snake Ceremonies, Tusayan (Fewkes) 16: 267.
Social and Religious Beliefs and Usages of the Chickasaw Indians (Swanton) 44: 169.
Social Organization and Social Usages of the Indians of the Creek Confederacy (Swanton) 42: 23.
Society, Fox, known as "Those who worship the Little Spotted Buffalo," Notes on (Michelson) 40: 497.
Sociology, Omaha (Dorsey) 3: 250.
Sociology, or the Science of Institutions (Powell) 20: LIX.

- Sociology, Siouan (Dorsey) 15: 205.
- Sophiology, or the Science of Activities Designed to Give Instruction (Powell) 20: CLXXI.
- Southeast, Aboriginal Culture of the (Swanton) 42: 673.
- Southeast, Indian Trails of the (Myer) 42: 727.
- Southwestern Colorado, Preliminary Account of the Antiquities of the Region between the Mancos and La Plata Rivers (Morris) 33: 155.
- Speck, Frank G.** Native Tribes and Dialects of Connecticut; Mohegan-Pequot Diary 43: 199.
- Wawenock Myth Texts from Maine 43: 165.
- Steedman, Elsie Viault, Editor.** Ethnobotany of the Thompson Indians (Teit) 45: 441.
- Stevens, Hon. Isaac S., Report to, on the Indian Tribes of the Upper Missouri (Denig-Hewitt) 46: 375.
- Stevenson, James.** Ceremonial of Hasjelti Dailjis and Mythical Sand Painting of the Navajo Indians 8: 229.
- Illustrated Catalogue of Collections obtained from the Indians of New Mexico and Arizona in 1879 2: 307.
- Illustrated Catalogue of Collections obtained from the Indians of New Mexico in 1880 2: 423.
- Illustrated Catalogue of Collections obtained from the Pueblos of Zuñi, New Mexico and Wolpi, Arizona, in 1881 3: 511.
- Stevenson, Matilda Coxe.** Ethnobotany of the Zuñi Indians 30: 31.
- The Religious Life of the Zuñi Child 5: 533.
- The Sia 11: 3.
- The Zuñi Indians, their Mythology, Esoteric Fraternities, and Ceremonies 23: 1.
- Stevenson, Tilly E.** See Stevenson, Matilda Coxe.
- Stone Art (Fowke) 13: 47.
- Stone Implements of the Potomac-Chesapeake Tidewater Province (Holmes) 15: 3.
- Stories, Picurís Children's (Harrington-Roberts) 43: 289.
- Studies in Central American Picture-writing (Holden) 1: 205.
- Study of Maya Codices, Aids to the (Thomas) 6: 253.
- Study of Siouan Cults (Dorsey) 11: 351.
- Summers' Work, Two, in Pueblo Ruins (Fewkes) 22, i: 3.
- Superstitions, Mohegan Medicinal Practices, Weather-lore, and (Speck-Tantaquidgeon) 43: 264.
- Survey, Anthropological, in Alaska (Hrdlička) 46: 19.
- Swanton, John R.** Aboriginal Culture of the Southeast 42: 673.
- Religious Beliefs and Medical Practices of the Creek Indians 42: 473.
- Social and Religious Beliefs and Usages of the Chickasaw Indians 44: 169.
- Social Organization and Social Usages of the Indians of the Creek Confederacy 42: 23.
- The Tlingit Indians 26: 391.
- Symbols, Day, of the Maya Year (Thomas) 16: 199.
- Tantaquidgeon, Gladys.** Mohegan Medicinal Practices, Weather-lore, and Superstitions 43: 264.
- Tattooing and Face and Body Painting of the Thompson Indians, British Columbia (Teit-Boas) 45: 397.
- Technology, or the Science of Industries (Powell) 20: xxix.
- Teit, James A.** Ethnobotany of the Thompson Indians of British Columbia, edited by Elsie V. Steedman 45: 441.

- Teit, James A.** Tattooing and Face and Body Painting of the Thompson Indians, edited by F. Boas 45: 397.
- The Salishan Tribes of the Western Plateaus, edited by F. Boas 44: 23.
- Tennessee, Middle, Two Prehistoric Villages in (Myer) 41: 485.
- Textile Art, a Study of, in its Relation to the Development of Form and Ornament (Holmes) 6: 189.
- Textile Art, Prehistoric, of the United States (Holmes) 13: 3.
- Textile Fabrics, Prehistoric, of the United States (Holmes) 3: 393.
- Tewa Indians, the Ethnogeography of the (Harrington) 29: 29.
- Thomas, Cyrus.** Aids to the Study of the Maya Codices 6: 253.
- Burial Mounds of the Northern Sections of the United States 5: 3.
- Day Symbols of the Maya Year 16: 199.
- Introduction to Indian Land Cessions (Royce) 18: 521.
- Mayan Calendar Systems 19: 693; 22, i: 197.
- Notes on Certain Maya and Mexican Manuscripts 3: 3.
- Numeral Systems of Mexico and Central America 19: 853.
- Thompson Indians, British Columbia, Ethnobotany of the (Teit-Steedman) 45: 441.
- Thompson Indians, Tattooing and Face and Body Painting of the (Teit-Boas) 45: 397.
- Tidewater Province, Potomac-Chesapeake, Stone Implements of the (Holmes) 15: 3.
- Tlingit Indians, the (Swanton) 26: 391.
- Traditional Origin, the, of the Fox Society known as "the Singing-around Rite" (Michelson) 40: 541.
- Traditions, Osage (Dorsey) 6: 373.
- Traditions, Tusayan Migration (Fewkes) 19: 573.
- Trephining, Primitive, in Peru (Muñiz-McGee) 16: 3.
- Tribal Society, a Short Study of; Wyandot Government (Powell) 1: 57.
- Tribe, the Omaha (Fletcher-La Flesche) 27: 15.
- Tribe, the Osage; Rite of the Chiefs; Sayings of the Ancient Men (La Flesche) 36: 37.
- Tribe, the Osage; Rite of the Wa-xo'-be (La Flesche) 45: 523.
- Tribe, the Osage; Two Versions of the Child-naming Rite (La Flesche) 43: 23.
- Tribe, the Winnebago (Radin) 37: 35.
- Tribes, Algonquian, Preliminary Report on Classification of (Michelson) 28: 221.
- Tribes, Indian, of the Upper Missouri; Report to the Hon. Isaac S. Stevens (Denig-Hewitt) 46: 375.
- Tribes, Native, and Dialects of Connecticut; Mohegan-Pequot Diary (Speck) 43: 199.
- Tribes, the Salishan, of the Western Plateaus (Teit-Boas) 45: 23.
- Turner, Lucien M.** Ethnology of the Ungava District, Hudson Bay Territory 11: 159.
- Tusayan and Cibola, Architecture of (V. Mindeleff) 8: 3.
- Tusayan Clans, Localization of (C. Mindeleff) 19: 635.
- Tusayan Flute and Snake Ceremonies (Fewkes) 19: 957.
- Tusayan Katchinas (Fewkes) 15: 245.
- Tusayan Migration Traditions (Fewkes) 19: 573.
- Tusayan Snake Ceremonies (Fewkes) 16: 267.
- Two Prehistoric Villages in Middle Tennessee (Myer) 41: 485.
- Two Summers' Work in Pueblo Ruins (Fewkes) 22, i: 3.
- Two Versions of the Child-naming Rite; the Osage Tribe (La Flesche) 43: 23.
- Ungava District, Hudson Bay Territory, Ethnology of the (Turner) 11: 159.

- Upper Lakes, Wild-rice Gatherers of the; a Study in American Primitive Economics (Jenks) 19: 1013.
- Upper Missouri, Indian Tribes of the; Report to the Hon. Isaac S. Stevens (Denig-Hewitt) 46: 375.
- Usages, Social and Religious Beliefs and, of the Chickasaw Indians (Swanton) 44: 169.
- Usages, Social, and Social Organization of the Indians of the Creek Confederacy (Swanton) 42: 23.
- Uses of Plants by the Chippewa Indians (Densmore) 44: 275.
- Uses of Plants by the Indians of the Missouri River Region (Gilmore) 33: 43.
- Verde Valley, Aboriginal Remains in (C. Mindeleff) 13: 179.
- Vigil, Rite of; the Osage Tribe (La Flesche) 39: 31.
- Villages, Two Prehistoric, in Middle Tennessee (Myer) 41: 485.
- Wawenock Myth Texts from Maine (Speck) 43: 165.
- Wa-xo'-be, Rite of the; the Osage Tribe (La Flesche) 45: 523.
- Weather-lore, Mohegan Medicinal Practices, Superstitions, and (Speck-Tantaquidgeon) 43: 264.
- Weavers, Navajo (Matthews) 3: 371.
- Welfare; Technology, or the Science of Activities designed for (Powell) 20: XXIX.
- West Indies. *See* Porto Rico.
- Western Plateaus, the Salishan Tribes of the (Teit-Boas) 45: 23.
- White, Leslie A.** The Acoma Indians 47: 17.
- White Buffalo Dance, the Mythical Origin of the, of the Fox Indians (Michelson) 40: 23.
- Wild-rice Gatherers of the Upper Lakes; a Study in American Primitive Economics (Jenks) 19: 1013.
- Winnebago Tribe, the (Radin) 37: 35.
- Winship, George P.** The Coronado Expedition, 1540-1542 14: 329.
- Wolpi, Arizona, Illustrated Catalogue of Collections from, in 1881 (J. Stevenson) 3: 511.
- Work, Two Summers', in Pueblo Ruins (Fewkes) 22, i: 3.
- Wyandot Government; a Short Study of Tribal Society (Powell) 1: 57.
- Yarrow, H. C.** A Further Contribution to the Study of the Mortuary Customs of the North American Indians 1: 87.
- Yuman and Serian Languages, Comparative Lexicology of (Hewitt) 17: 299*.
- Zuñi Ceremonialism, Introduction to (Bunzel) 47: 467.
- Zuñi Child, the Religious Life of the (M. C. Stevenson) 5: 533.
- Zuñi Creation Myths, Outlines of (Cushing) 13: 321.
- Zuñi Culture Growth, Pueblo Pottery as illustrative of (Cushing) 4: 467.
- Zuñi Fetiches (Cushing) 2: 3.
- Zuñi Indians, Ethnobotany of the (M. C. Stevenson) 30: 31.
- Zuñi Indians; their Mythology, Esoteric Fraternities, and Ceremonies (M. C. Stevenson) 23: 1.
- Zuñi Katecinas (Bunzel) 47: 837.
- Zuñi Origin Myths (Bunzel) 47: 545.
- Zuñi Ritual Poetry (Bunzel) 47: 611.
- Zuñi, N. Mex., Illustrated Catalogue of Collections from, in 1881 (J. Stevenson) 3: 511.
- Zuñi, New Mexico. *See* Cibola; Coronado.



E51 .U55 48th 1930-31 INDEX
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